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MANUFACTURERS
OF
ELECTRICALLY OPERATED FARM EQUIPMENT

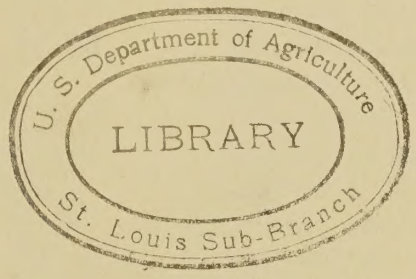
(HOME APPLIANCES ARE NOT INCLUDED)

RURAL ELECTRIFICATION ADMINISTRATION
Library

AUGUST 1, 1940

THIS LISTING IS COMPLETE AND ACCURATE ONLY TO THE EXTENT THAT PRODUCT INFORMATION HAS BEEN SUBMITTED TO US.

WE WILL WELCOME ALL ADDITIONS OR CORRECTIONS AND INCLUDE THEM IN A REVISED LISTING WHEN OCCASION DEMANDS.



RURAL ELECTRIFICATION ADMINISTRATION
DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.

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M A N U F A C T U R E R S

O F

Electrically Operated Farm Equipment

(Home Appliances are not included)

AERATORS

No. of Tubes	Length of Tubes Ins.	Capacity Gal/hr.	Manufacturer
16	36	138	Cherry-Burrell Corp., Chicago, Ill.
12	21-51	100	The Creamery Package Mfg. Co., Chicago, Ill.
16	18-36	62-138	Esco Cabinet Co., West Chester, Pa.
16		50-70	International Harvester Co., Chicago, Ill.
16-36	18-96	40-450	The E. A. Kaestner Co., Baltimore, Md.
16	18-36	62-138	Victor Products Corp., Hagerstown, Md.
16	18-36	38-112	Wilson Cabinet Corp., Smyrna, Del.

AGITATORS OR CIRCULATORS, MILK COOLER

Type of Drive	Motor Equip.	Manufacturer
		Beverage Engr. & Equip. Co., Cleveland, Ohio
Direct	Yes	Esco Cabinet Co., West Chester, Pa.
Direct	Yes	Everite Pump & Mfg. Co., Lancaster, Pa.
Direct	Yes	Victor Products Corp., Hagerstown, Md.

AIR BRUSHES

Capacity of Container	H.P.	Compressor	Hose	Manufacturer
1 qt.-2 gal.	$\frac{1}{4}$	Yes	Yes	Binks Mfg. Co., Chicago, Ill.
				Creamery Pkg. Mfg. Co., Chicago, Ill.
1 qt.	$\frac{1}{4}$-$\frac{1}{2}$	Yes	Yes	Dayton Pump & Mfg. Co., Dayton, Ohio
1 qt.-60 gal.	$\frac{1}{4}$-2	Yes	Yes	DeVilbiss Co., Toledo, Ohio
1 qt.-50 gal.	$\frac{1}{4}$-5	Yes & No	Yes & No	Eclipse Air Brush Co., Newark, N. J.
1 qt.-10 gal.	$\frac{1}{4}$-3	Yes & No	Yes & No	Electric Sprayit Co., Milwaukee, Wis.
				Field Force Pump Co., Elmira, N. Y.
				National Electric Tool Co., Chicago, Ill.

ALARMS, BURGLAR

Open and closed circuits	Auth Elec. Specialty Co., Inc., New York, N. Y.
Open circuit (Comb. Burg. & Fire)	Bellman Burglar & Fire Alarm Co., Rockford, Ill.

Description	Manufacturer
ALARMS, BURGLAR (Continued)	
Open and closed circuit	Cleverly Elec. Works, Inc., Philadelphia, Pa.
	Connecticut Telephone & Elec. Corp., Meriden, Conn.
Open and closed circuit.	Edwards & Co., Norwalk, Conn.
	Guardian Elec. Mfg. Co., Chicago, Ill.
Open and closed circuit	Liberty Bell Mfg. Co., Minerva, Ohio
Open and closed circuit	Lyon Rural Elec. Co., San Diego, Calif.
Closed circuit	Midnight Alarm System, Cincinnati, Ohio
Open and closed circuit	Partrick & Wilkins Co., Philadelphia, Pa.
Burg. alarm which sounds when elec. fence is grounded	Richards-Electro Fence Co., Payette, Idaho
Closed circuit using photo-elec. cell	Teletouch Corp., New York, N. Y.
	Ward-Leonard Elec. Co., Mt. Vernon, N. Y.
ALARMS, FIRE	
Open and closed circuit	Auth Elec. Specialty Co., Inc., New York, N. Y.
	Beacon Steel Products, Westminister, Md.
Open circuit (Comb. burg. & fire)	Bellman Burglar & Fire Alarm Co., Rockford, Ill.
	Connecticut Telephone & Elec. Co., Meriden, Conn.
Open and closed circuit	Edwards & Co., Norwalk, Conn.
	Guardian Elec. Mfg. Co., Chicago, Ill.
Closed circuit	Lyon Rural Electric Co., San Diego, Calif.
Closed circuit	Midnight Alarm System, Cincinnati, Ohio
Closed circuit	National Time & Signal Corp., Detroit, Mich.
Thermostats and signals	Partrick & Wilkins Co., Philadelphia, Pa.
	H. M. Sheer Co., Quincy, Ill.
Signals and relays	Signal Eng. & Mfg. Co., New York, N. Y.
Sirens	The Sterling Siren Fire Alarm Co., Inc., Rochester, N. Y.
ALARMS TEMPERATURE	
	Beacon Steel Products, Westminster, Md.
	Brower Mfg. Co., Quincy, Ill.
	Guardian Elec. Mfg. Co., Chicago, Ill.
Open and closed circuits	Lyon Rural Elec. Co., San Diego, Calif.
Open circuit	Oakes Mfg. Co., Inc., Tipton, Ind.
	Penn Elec. Switch Co., Goshen, Ind.
	H. M. Sheer Co., Quincy, Ill.
	Ward-Leonard Elec. Co., Mt. Vernon, N. Y.

BABCOCK TESTERS

Description				Manufacturer
Type of Drive	Capacity (bottles)	Height (bottles)	Motor Equip.	
				Cherry-Burrell Corp., Cincinnati, Ohio
Direct	12 & 24	6"	Yes	The Creamery Package Mfg. Co., Chicago, Ill.
Direct	4-36	6-9"	Yes	Jalco Motor Co., Union City, Ind.
				Manning Mfg. Co., Rutland, Vermont

BOILERS, ELECTRICALLY HEATED STEAM

Type of Tank	H. P.	K. W.	Element	
Horiz.	1/6-10	1½-100	"Acrom" Imm.	Acme Elec. Co., Berkley, Calif.
Horiz. & Vertical	0.3-25	3-252	"Chromalox" Immersion	Commonwealth Elec. Mfg. Co., Boston, Mass.
				Hynes Elec. Heating Co., Philadelphia, Pa.
				International Eng. Works, Inc., Farmington, Mass.
				Pacific Power & Light Co., Walla Walla, Wash.
				Wesix Elec. Heater Co., San Francisco, Calif.

BROODERS, BATTERY

Capacity 1 week	Area Sq. In.	
		American Elec. Incubator Co., New Brunswick, N. J.
1000-1650	7200-11550	Anderson Box Co., Indianapolis, Ind.
50-400 (Types for all ages)		Beacon Steel Products Co., Westminster, Md.
Chicks to broilers		Brower Mfg. Co., Quincy, Ill.
200-1000 (Patented contact heater)		Buckeye Incubator Co., Springfield, Ohio
Chicks to broilers		Buffalo Incubator Co., Buffalo, N. Y.
50-625	864/deck	Cyclone Mfg. Co., Urbana, Ind.
1 to 5 decks	1080/deck	Electroweld Corp., Chicago, Ill.
100/deck		Hawkins Million Dollar Hen, Inc., Mt. Vernon, Ill.
390/deck		H. D. Hudson Mfg. Co., Chicago, Ill.
200-250/deck	2592/deck	James Mfg. Co., Ft. Atkinson, Wis.
		Lyon Rural Elec. Co., San Diego, Calif.
150/deck	1092/deck	Makomb Steel Products Co., Macomb, Ill.
50-800		National Elec. Appliance Co., Cleveland, Ohio
	787-8680	Oakes Mfg. Co., Tipton, Ind.
600-1200		Petersime Incubator Co., Gettysburg, Ohio
60-350	400-2400	Reliable Incubator & Brooder Co., Quincy, Ill.
1 or 6 units	475/deck	Royal Mfg. Co., Bowling Green, Ohio

Description				Manufacturer
BROODERS, BATTERY (Continued)				
Capacity 1 week		Area Sq. In.		
500		5120		Sauer Brothers, San Leandro, Calif.
100-1650		720-11550		H. M. Sheer Co., Quincy, Ill.
				Shenandoah Equipment Corp., Harrisonburg, Va.
50-500		7/chick		Warner Brooder & Appliance Corp., North Manchester, Inc.
BROODERS, CANOPY				
Capacity 1 week	Sq. Ins. per Chick	Insulated	Shape	
				American Elec. Incubator Co., New Brunswick, N. J.
150-500	5.6	Yes	○	Anderson Box Co., Indianapolis, Ind.
75-600	4.2	No	○ □	Beacon Steel Products Co., Westminster, Md.
				Belle City Incubator Co., Racine, Wis.
25-500	7	No		Brower Mfg. Co., Quincy, Ill.
85-500	7	No	▭ ○ ◇	Buckeye Incubator Co., Springfield, Ohio
85-185	7	No	□	Buffalo Incubator Co., Buffalo, N. Y.
150-500	9-10	No	▭	Cyclone Mfg. Co., Urbana, Ind.
125-500	6	No	▭	Hawkins Million Dollar Hen, Inc., Mt. Vernon, Ill.
265-500	7	Yes	○ □ ▭ ◇	H. D. Hudson Mfg. Co., Chicago, Ill.
50-400		No	○ ◇	James Mfg. Co., Ft. Atkinson, Wis.
200-500		Yes	○	Lyon Rural Elec. Co., San Diego, Calif.
50-500	7	No	○ ▭	Makomb Steel Products Co., Macomb, Ill.
125-500	7	Yes	▭	Martel Mfg. Co., Martel, Ohio
75-500	7	Yes	○ ▭	National Elec. Appliance Co., Cleveland, Ohio
85-385	7	Yes	▭ □ ◇	Oakes Mfg. Co., Tipton, Ind.
100-1000	4-6	Some Models	○ ▭	Reliable Incubator & Brooder Co., Quincy, Ill.
100-500	7	Yes	▭	Royal Mfg. Co., Bowling Green, Ohio
500-1000	5	Yes	▭	St. Helens Mfg. Co., Centralia, Wash.
125-1000	4.2	Yes	▭	Sauer Bros., San Leandro, Calif.
300-500	7	Yes	□ ▭	H. M. Sheer Co., Quincy, Ill.
300-500	6	Yes	○	Shenandoah Equipment Corp., Harrisonburg, Va.
130-350				Wellington V. Smith Co., Cleveland, Ohio
350	7	Yes	□	Trumbull Elec. Mfg. Co., Plainville, Conn.
200-500	7	Yes	▭ □	Warner Brooder & Appliance Corp., North Manchester, Ind.
100-400	(Brooding house and sun porch with heater)			Winn Brooder Co., Fitzgerald, Ga.
250,500, 1000	4,6,8' hovers		○	A. R. Wood Mfg. Co., Santa Cruz, Calif.

Description				Manufacturers
BUFFERS				
Type of Drive	H. P.	Motor Equip.	Type	
Direct	¼-1	Yes	Portable, stand & bench	Black & Decker Mfg. Co., Towson, Md.
Direct	¼-1	Yes	Bench	Brown-Brockmeyer Co., Dayton, Ohio
Dir. or Belt	½-25	Yes	Pedestal	Cincinnati Elec. Tool Co., Cincinnati, Ohio
Belt		No	Bench & Ped.	Clizbe Bros. Mfg. Co., Plymouth, Ind.
				Deere & Co., Moline, Ill.
Belt		No	Bench	Delta Mfg. Co., Milwaukee, Wis.
Direct	¼-½		Bench	Diehl Mfg. Co., Elizabethport, N. J.
Direct	1/8-1/6		Bench	Dumore Co., Racine, Wis.
Direct	1/12-1½	Yes	Bench	Electric Specialty Co., Stamford, Conn.
				Fritzgerald Mfg. Co., Torrington, Conn.
Direct	1/20	Yes	Bench	Hamilton Beach Co., Racine, Wis.
Direct	¼-10	Yes	Bench & Stand	Hisey-Wolf Machine Co., Cincinnati, Ohio
Direct	¼-25	Yes	Bench & Stand	
Direct	½-2	Yes	Portable	
Direct Flex.		Yes	Bench	Luther Grinder & Tool Co., Milwaukee, Wis.
Shaft	½-3	Yes	Portable	Mall Tool Co., Chicago, Ill.
Direct	¼-½	Yes	Bench	Millers Falls Co., Greenfield, Mass.
Direct	¼-½	Yes	Bench	Milwaukee Elec. Tool Co., Milwaukee, Wis.
Direct		Yes	Portable	The Nedco Co., Waltham, Mass.
Portable comb. drill etc.				Paramount Products Co., New York, N. Y.
Direct	¼	Yes	Bench	Reynolds Elec. Co., Chicago, Ill.
Direct	¼-½	Yes	Bench	Speedway Mfg. Co., Cicero, Ill.
Direct	½-10	Yes	Bench & Ped.	The Standard Elec. Tool Co., Cincinnati, Ohio
Direct	¼-1	Yes	Bench	Stanley Elec. Tool Div., New Britain, Conn.
Flex. Shaft	1/8-10	Yes	Suspended & Portable	Stow Mfg. Co., Inc., Binghamton, N. Y.
Direct & Belt				The U. S. Elec. Tool Co., Cincinnati, Ohio
				Walker Turner Co., Inc., Plainfield, N. J.
				Yates-American Machine Co., Beloit, Wis.
CHURNS				
Type of Drive	H. P.	Motor Equip.	Capacity	
Direct	1/20	Yes	Fits 2-6 gal. jar	Alabama Mfg. Co., Birmingham, Ala.
Direct	1/20	Yes		A. N. Brown Son & Co., McDonough, Ga.
Belt	1/3-½	Yes	17-50 gal.bbl.	Cherry-Burrell Corp., Chicago, Ill.
Small Barrel &		Commer.	size churns	The Creamery Package Mfg. Co., Chicago, Ill.
Belt	1/8-¼	Yes & No	2-10 gal.	Dazey Churn & Mfg. Co., St. Louis, Mo.
				DeLaval Separator Co., New York, N. Y.
Direct	1/15	Yes	2-6 gal. jar.	Handy Appliance Mfg. Co., Albertville, Ala.
				International Eng. Works, Inc., Framingham, Mass.

Description				Manufacturer
CHURNS (Continued)				
Type of Drive	H. P.	Motor Equip.	Capacity	
Belt	¼	No	6-100 gal.	John McDermaid, Rockford, Ill. Manning Mfg. Co., Rutland, Vermont Sherrill Mfg. Co., Inc., Cullman, Ala.
Dir. & Belt	1½-5	Yes		Standard Churn Co., Wapakoneta, Ohio
Belt		Yes	8-25 gal.	Superior Churn & Mfg. Co., Northville, Mich.
Belt		Yes	3-50 gal.	Taylor Bros. Churn & Mfg. Co., St. Louis, Mo.
CLEANER, EGG				
6-36 egg capacity				National Poultry Equipment Co., Seattle, Wash. Perfect Egg Cleaner Co., Montoursville, Pa. Reliable Incubator & Brooder Co., Quincy, Ill.
CLEANERS, FRUIT AND VEGETABLE				
Capacity Bu/hr.	H. P.			
60-300	½-3			Bean Mfg. Co., Lansing, Mich. Boggs Mfg. Corp., Atlanta, N. Y.
100-300	3-7½			Cutler Mfg. Co., Portland, Ore. The Deming Co., Salem, Ohio
100				Friend Mfg. Co., Gas Port, N. Y.
CLEANERS AND GRADERS, GRAIN AND SEED				
Capacity Bu/hr.	H. P.	No. of Screens		
30-120	½-3	15		American Grain Separator Co., Minneapolis, Minn. Cleland Mfg. Co., Minneapolis, Minn.
50-350	¼-2	5		A. T. Ferrell & Co., Saginaw, Mich. S. Howes Co., Inc., Silver Creek, N. Y.
10-50	No Motor	12		J. L. Owens Co., Inc., Minneapolis, Minn. Sidney Grain Machinery Co., Minneapolis, Minn.
20-120		11		Standard Fanning Mill Co., Minneapolis, Minn.
CLIPPERS, ANIMAL				
Type of Drive	Type of Motor	Type of Head		
Direct	Universal	Detatchable		Andis Clipper Co., Racine, Wis. Chicago Flexible Shaft Co., Chicago, Ill. John Oster Mfg. Co., Racine, Wis.

Description				Manufacturers
CLIPPERS, HEDGE				
Type of Drive	Length of Cut-Ins.	Motor Equip.	H.P.	
				Bartlett Mfg. Co., Detroit, Mich.
				Coldwell Lawn Mower Co., Newburgh, N. Y.
				Detco Mfg. Co., Oaks, Pa.
				Henry Disston & Sons, Philadelphia, Pa.
Gear	9	Yes	¼	Roberton Mfg. Co., Michigan City, Ind.
Gear	12	Yes	¼	Skilsaw Inc., Chicago, Ill.
Gear	14½	Yes	¼	Syracuse Toolectric Mfg. Corp., Syracuse, N. Y.
				Trowbridge Conveyor Co., Passaic, N. J.
				Wallington Machine Co., Wallington, N. J.
COMBINATION WATER HEATER AND STERILIZER				
Type		Wattage		
Pressure		1200-4000		Commonwealth Electric & Mfg. Co., Boston, Mass.
				Electric Farm Equipment Co., Lynnfield, Ohio
Open tank		1250-2250		Esco Cabinet Co., West Chester, Pa.
				Losee Products Co., Hebron, Ill.
				M. L. Overdorfer Brass Co., Syracuse, N. Y.
Open tank		250		Starline, Inc., Harvard, Ill.
				Strauss Elec. Appliance Co., Waukesha, Wis.
				Wellman Elec. Appliance Co., Modesto, Calif.
COMPRESSORS, REFRIGERATION				
Refrigerant	H. P.	Type		
Freon etc.	to 60	Vertical & Hor.		Baker Ice Machinery Co.,Inc., Omaha, Nebr.
				Beverage Eng. & Equipment Co., Cleveland, Ohio
Sulfur dioxide & Methyl chloride	1/5-25	Horizontal		Borg-Warner Corp., Detroit, Mich.
				Brunner Mfg. Co., Utica, N. Y.
Freon & Methyl chloride	¼-50	Vertical		Carrier Corp., Syracuse, N. Y.
Freon	1/6-1½	Vertical		Continental Corp., Fond-du-Lac, Wis.
Methyl chloride	¼-20	Vertical		Copeland Refrigeration Corp., Sidney, Ohio
Freon & Methyl Chloride	1-30			Corozone Air Conditioning Corp., Cleveland, Ohio
				The Creamery Package Mfg. Co., Chicago, Ill.
(Water cooled)	1/3-30	Vertical		Curtis Mfg. Co., St. Louis, Mo.
(Air cooled)	1/6-5	Vertical		
	1/3-1½	Vertical		Empire Milking Machine Co., West Chester, Pa.
Freon & Ammonia	¼ up	Vertical		Frick Co., Waynesboro, Pa.
Freon	To 50	Vertical		Frigidaire Div., General Motors Sales Corp., Dayton, Ohio

Description			Manufacturer
COMPRESSORS, REFRIGERATION (Continued)			
Refrigerant	H. P.	Type	
Sulfur dioxide	1/6-¾	Vertical	Gale Products, Galesburg, Ill.
	¼-20	Vertical	General Electric Co., Bloomfield, N. J.
			General Refrigeration Corp., Beloit, Wis.
			Icemaster Co., Haverhill, Mass.
			International Harvester Co., Chicago, Ill.
			Kelvinator Corp., Detroit, Mich.
Freon-12	¼-5	Vertical	McCray Refrigerator Sales Corp., Kendallville, Ind.
Freon Methyl chloride	¼-25	Vertical	Merchant & Evans Co., Philadelphia, Pa.
Freon-12 Methyl chloride Sulfur dioxide	¼-7½	Vertical	Mills Novelty Co., Chicago, Ill.
			National Elec. Tool Co., Chicago, Ill.
			O'Keefe & Merritt Co., Los Angeles, Calif.
			Servel Sales, Inc., Evansville, Ind.
Freon		Horizontal	Vilter Mfg. Co., Milwaukee, Wis.
Ammonia		Vertical	
	1/6-40	Hor. & Vert.	Westinghouse Elec. & Mfg. Co., Mansfield, Ohio
Methyl chloride	1/8-6	Vertical	Williams Oil-O-Matic Heating Corp., Bloomington, Ill.
			The X-L Refrigerating Co., Inc., Chicago, Ill.
Freon-12	¼-½	Vertical	York Ice Machinery Co., York, Pa.

CONTROLS, MOTOR					
Switches		Starters		Push Button Stations	
Con-tact	Mag-netic	Auto-matic	Manual		
					Bruno H. Aller, Long Island City, N. Y.
Yes	Yes	Yes	Yes	Yes	Allen-Bradley Co., Milwaukee, Wis.
Yes	Yes	Yes	Yes	Yes	Allis-Chalmers Mfg. Co., West Allix, Wis.
Yes	Yes	Yes	Yes	Yes	Appleton Elec. Co., Chicago, Ill.
Yes	Yes	Yes	Yes	Yes	Arrow-Hart & Hegeman Elec. Co., Hartford, Conn.
Yes	Yes				Automatic Switch Co., New York, N. Y.
Yes	Yes	Yes	Yes	Yes	Brown-Brockmeyer Co., Inc., Dayton, Ohio
Yes	Yes			Yes	Bryant Elec. Co., Bridgeport, Conn.
Yes	Yes	Yes	Yes	Yes	Century Elec. Co., St. Louis, Mo.
3/4 H.P. overload switch				Yes	Chase-Shawmut Co., Newburyport, Mass.
Yes	Yes	Yes	Yes	Yes	Clark Controller Co., Cleveland, Ohio
					Cleveland Electric Motor Co., Cleveland, Ohio
Yes	Yes	Yes	Yes	Yes	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
					Continental Elec. Co., Newark, N. J.
Yes	Yes	Yes	Yes	Yes	Cutler-Hammer Inc., Milwaukee, Wis.

Description					Manufacturers
CONTROLS, MOTOR (Continued)					
Switches		Starters		Push Button	
Con-tact	Mag-netic	Auto-matic	Manual	Stations	
Yes	Yes	Yes	Yes	Yes	Decatur Pump Co., Decatur, Ill.
Yes	Yes	Yes	Yes	Yes	Diehl Mfg. Co., Elizabethport, N. J.
					Struthers Dunn Inc., Philadelphia, Pa.
					Edwards & Co., Norwalk, Conn.
					Electric Controller & Mfg. Co., Minneapolis, Minn.
					Electric Machinery Mfg. Co., Cleveland, Ohio
					Fidelity Elec. Co., Lancaster, Pa.
					Ft. Wayne Eng. & Mfg. Co., Ft. Wayne, Ind.
					Gaynor Elec. Co., Bridgeport, Conn.
Yes	Yes	Yes	Yes	Yes	General Electric Co., Schenectady, N. Y.
Yes	Yes	Yes	Yes	Yes	Hart Mfg. Co., Hartford, Conn.
Yes	Yes			Yes	Holtzer-Cabot Elec. Co., Boston, Mass.
					Howell Elec. Motors Co., Howell, Mich.
					Ideal Elec. & Mfg. Co., Mansfield, Ohio
					I-T-E Circuit Breaker Co., Philadelphia, Pa.
Yes	Yes				Lexington Elec. Products Co., Newark, N. J.
					Mercoid Corp., Chicago, Ill.
					J. C. Miller Co., Grand Rapids, Mich.
					Minerallac Elec. Co., Chicago, Ill.
Switches 3-50 H.P. 230-575 volts. Pumping plant switchboards 5-150H.P.					Mongerson's Electrical Machine Works, Bakersfield, Calif.
					Monitor Controller Co., Baltimore, Md.
					National Elec. Controller Co., Chicago, Ill.
					Northwestern Elec. Co., Chicago, Ill.
					Palmer Elec. & Mfg. Co., Wakesfield, Mass.
					Partrick & Wilkins Co., Philadelphia, Pa.
Solenoid type switches, overload protection, relay & man. starting.					Penn Elec. Switch Co., Goshen, Ind.
					Reynolds Elec. Co., Chicago, Ill.
					Robbins & Myers, Springfield, Ohio
					Rowan Controller Co., Baltimore, Md.
					Schaefer Bros. Co., Chicago, Ill.
Relay controls					Signal Engineering & Mfg. Co., New York, N. Y.
					South Bend Current Controller Co., South Bend, Ind.
Yes	Yes	Yes	Yes	Yes	Square D Co., Milwaukee, Wis.
Also overload protection					
					Stanley & Patterson, New York, N. Y.
Yes	Yes	Yes	Yes		Trumbull Elec. Mfg. Co., Plainville, Conn.
Also overload protection					

Description					Manufacturer
CONTROLS, MOTOR (Continued)					
Switches		Starters		Push Button	
Con-tact	Mag-netic	Auto-matic	Manual	Stations	
Yes	Yes	Yes	Yes	Yes	U. S. Elec. Mfg. Corp., New York, N. Y.
Also overload protection					Ward Leonard Elec. Co., Mt. Vernon, N. Y.
Yes	Yes	Yes	Yes	Yes	Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.
Also overload protection					C. D. Wood Elec. Co., New York, N. Y.
					Zenith Elec. Co., Chicago, Ill.

CONTROLS, PRESSURE				
No. of Poles	Max. H.P.	Maximum Pressure Lb./sq.in.	Standard Setting	
				Automatic Temperature Control Co., Inc., Philadelphia, Pa.
1 & 2	1	80	20-40	Cutler-Hammer, Inc., Milwaukee, Wis.
2	1/8-2	60-80	20-40	Decatur Pump Co., Decatur, Ill.
1	1	30 ins. to 350#	2-75	Detroit Lubricator Co., Detroit, Mich.
1 & 2	5	80-225	10-45	Fairbanks-Morse & Co., Chicago, Ill.
1	3	40		Flint & Walling Mfg. Co., Kendallville, Ind.
2		30-60	15-40	Ft. Wayne Eng. & Mfg. Co., Ft. Wayne, Ind.
	Diaphragm Type			General Elec. Co., Schenectady, N. Y.
1 & 2	1-5	55-150	2-26	Goulds Pumps, Inc., Seneca Falls, N. Y.
2		40	20-40	Heller-Aller Co., Napoleon, Ohio
1	1	12	½-6	Master Elec. Co., Dayton, Ohio
1 & 2	1	1500		The Mercoid Corp., Chicago, Ill.
2	5	250		The F. E. Myers & Bro. Co., Ashland, Ohio
2	½-2	60	20-40,50,60	Penn Elec. Switch Co., Goshen, Ind.
2 & 3	5	25" vacuum to 250#	Refrigeration & water sys.	Square D Co., Detroit, Mich.
1,2,3	5	5-225		Ward Leonard Elec. Co., Mt. Vernon, N. Y.
1 & 2	2	Any pressure range desired		Westinghouse Elec. & Mfg. Co., Mansfield, Ohio

CONTROLS, TEMPERATURE			
Type	Temp. Range	Substance	
	70-600	Air, liquid	Acme Elec. Heating Co., Boston, Mass.
			Allen Bradley Co., Milwaukee, Wis.
			American Radiator & Standard Sanitary Corp., Pittsburgh, Pa.
			Automatic Temperature Control Co., Inc., Philadelphia, Pa.
Furnace blower control			Barber-Colman Co., Rockford, Ill.
Immersion	15-260	Hot water	Detroit Lubricator Co., Detroit, Mich.
Contact	80-250	Hot water	
Remote control	30-495	Liquids	
Direct	30-72	Air	
Temp. overload relays	135 amp. 600 v. Maximum		General Elec. Co., Schenectady, N. Y.

Description			Manufacturers
CONTROLS, TEMPERATURE (Continued)			
Type	**Temp. Range**	**Substance**	
Control for heating 135 amp. Max.			Holland Furnace Co., Holland, Mich.
Room thermostat (Low voltage)	55-85	Air	Hotstream Heater Co., Cleveland, Ohio
Thermostatic control for barn ventilating systems			James Mfg. Co., Ft. Atkinson, Wis.
Thermostatic control for brooders, incubators, etc.	130-70, 75-120		Lyon Rural Elec. Co., San Diego, Calif.
	50-220	Water	Master Elec. Co., Clayton, Ohio
Warm air switches	60-550	Air	
Room thermostats	52-88	Air	
Mercury thermostatic (Low voltage)	25-200	Air	The Mercoid Corp., Chicago, Ill.
General purpose (10 amp., high voltage)	25-90	Air	
			Minneapolis-Honeywell Regulator Co., Minneapolis, Minn.
			National Elec. Controller Co., Chicago, Ill.
General purpose	-10-600	Air & Liquid	Penn Elec. Switch Co., Goshen, Ind.
			Reliable Incubator Co., Quincy, Ill.
			Ruggles-Klingemann Mfg. Co., Salem, Mass.
			Sarco Co., Inc., New York, N. Y.
			Spence Eng. Co., Inc., Walden, N. Y.
Refrigeration	-45-240	Gas & Liquid	Square D Co., Detroit, Mich.
			Stevens-Root Co., Chicago, Ill.
			Swartzbaugh Mfg. Co., Toledo, Ohio
			Harold E. Trent Co., Philadelphia, Pa.
			Watson & McDaniel Co., Philadelphia, Pa.
			Wesix Elec. Heater Co., San Francisco, Calif.
1 & 2 pole (Any temp. specified)			Westinghouse Elec. Mfg. Co., Mansfield, Ohio

COOLERS, MILK		
Type	**Capacity (Cans)**	**Agitation**
Wet & dry	3-14	Propeller
Wet	2-27	Pressure
Tube type coolers		
Wet & dry	2-6	
Dry	2-20	Circulating pump

Babson Bros., Chicago, Ill.
Carrier Corp., Syracuse, N. Y.
The Creamery Package Mfg. Co., Chicago, Ill.
Duncan Mfg. Co., Washington, Mo.
Empire Milking Machine Co., West Chester, Pa.

Description			Manufacturer
COOLERS, MILK (Continued)			
Type	Capacity(Cans)	Agitation	
Wet & dry	2-24	Mechanical	Esco Cabinet Co., West Chester, Pa.
Dry	2-16		Frick Co., Waynesboro, Pa.
Wet	2-24	Mechanical	General Elec. Co., Bloomfield, N. J.
			Icemaster Co., Haverhill, Mass.
Wet	2-10	Pneumatic	International Harvester Co., Chicago, Ill.
			E. A. Kaestner Co., Baltimore, Md.
Mechanical stirring apparatus for milk cans. 15 watt motor.			Losee Products Co., Hebron, Ill.
			Manning Mfg. Co., Rutland, Vermont
			Merchant & Evans Philadelphia, Pa.
			National Elec. Tool Co., Pittsburgh, Pa.
Wet	2-24	Centrifugal	Emil Steinhorst & Sons, Inc., Utica, N. Y.
Wet & dry	2-20	Centrifugal	Victor Products Corp., Hagerstown, Md.
Wet	4-18	Propeller	Westinghouse Elec. & Mfg. Co., Mansfield, Ohio
Wet & dry	2-10		Williams Oil-O-Matic Heating Corp., Bloomington, Ill.
Wet	2-20	Propeller	Wilson Cabinet Corp., Smyrna, Del.
Wet	2-21		York Ice Machinery Corp., York, Pa.
COOLERS, WALK-IN			
			Baker Ice Machine Co., Inc., Omaha, Neb.
Size- 72"x 73"x33"-111". No Compr.			Esco Cabinet Co., West Chester, Pa.
			Frick Co., Waynesboro, Pa.
Victor Cooler with GE compressor			General Elec. Co., Bloomfield, N. J.
			Herrick Refrigerator Co., Waterloo, Iowa
110-572 cu.ft. Other sizes on order Size and arrangement desired.			International Harvester Co., Chicago, Ill.
			Koch Refrigerator Co., North Kansas City, Mo.
Forced connection cooling system 44 cu.ft. and up. Less compr. & doors			Low Temperature Equip. Co., Kansas City, Mo.
Coolers for stores, florists, farms, dairies, etc.			McCray Refrigerator Sales Corp., Kendallville, Ind.
			O'Keefe & Merritt Co., Los Angeles, Calif.
			Quillen Bros. Refrigerator Co., Indianapolis, Ind.
Egg storage, 165-255 crate capacity			The Smith Incubator Corp., Bucyrus, Ohio
6'x 6' to 8'x 8' cooler less compr.			Victor Products Corp., Hagerstown, Md.
Any size by using standard sections			Westinghouse Elec. & Mfg. Co., Mansfield, Ohio
Coolers with compressor			Williams Oil-O-Matic Heating Corp., Bloomington, Ill.
21-132 sq.ft.of floor space. No compr.			Wilson Cabinet Corp., Smyrna, Del.
			The X. L. Refrigerating Co., Inc., Chicago, Ill.

Description			Manufacturer
CORN SHELLER			
Type	Capacity Bu./hr.	H. P.	
4 Hole	250	8-12	Appleton Mfg. Co., Batavia, Ill.
Cylinder	100-120	4-5	Bartlett & Snow Co., Cleveland, Ohio
Cylinder	60-80	1½-3	C. S. Bell Co., Hillsboro, Ohio
1 & 2 Hole	10-35	¼-½	Deere & Co., Moline, Ill.
Cylinder	75-175	6	
Cylinder	100-200	8-10	
Cylinder	250-700	20-25	
1 & 2 Hole	25-60	1	Dellinger Mfg. Co., Lancaster, Pa.
Cylinder	75	3	
Cylinder	125-600		Gruendler Crusher & Pulverizer Co., St. Louis, Mo.
			Harvey Spring & Forging Co., Racine, Wis.
1 & 2 Hole	20-120	½-8	Hocking Valley Mfg. Co., Lancaster, Ohio
1-4 Hole	20-250	1-10	International Harvester Co., Chicago, Ill.
Cylinder	150-550	10-20	
1 & 2 Hole	15-60	¼-1	Messinger Mfg. Co., Tatamy, Pa.
Cylinder	600-1400	20-40	Minneapolis-Moline Power Implement Co., Minneapolis, Minn.
1 Hole	20		New Idea, Inc., Coldwater, Ohio
Cylinder	40-80	3-5	Sidney Grain Machinery Co., Sidney, Ohio
			Sprout, Waldron & Co., Muncy, Pa.
Cylinder	50-100	2-10	Stover Mfg. & Engine Co., Freeport, Ill.
Cylinder	30	½	Viking Mfg. Co., Jackson, Mich.
CREAM SEPARATORS			
Capacity Lb./hr.	Type of Drive	Motor Equip.	H. P.
400-1000	Belt	Yes & No	¼ American Separator Co., Bainbridge, N. Y.
	Belt		Anker-Holth Mfg. Co., Inc., Port Huron, Mich.
	Belt	Yes & No	Associated Mfgs., Inc., Waterloo, Iowa
			Babson Bros., Inc., Chicago, Ill.
Electric drives for separators			Breyer Bros., Whiting & Co., Waupun, Wis.
			Cherry-Burrell Corp., Cincinnati, Ohio
			The Creamery Package Mfg. Co., Chicago, Ill.
			De Laval Separator Co., Chicago, Ill.
375-1000	Belt	No	Galloway Co., Inc., Waterloo, Iowa
350-1200	Belt	Yes and No	International Harvester Co., Chicago, Ill.
740-910	Belt	No	Melotte Separators Co., Chicago, Ill.
			Perfection Mfg. Corp., Minneapolis, Minn.
350-12000	Belt	Yes	Rite-Way Products Co., Chicago, Ill.
375-1000	Belt	Yes	United Dairy Equipment Co., West Chester, Pa.
1250-10000	Direct	Yes	
150-1000	Belt	Yes ¼	Vega Separator Corp. of America, Inc., Minneapolis, Minn.

Description				Manufacturer
CUTTERS, ENSILAGE				
H. P.	No. of Knives	Type of Cutter	Variation of Cuts	
15-25	3	Radial	4	Appleton Mfg. Co., Batavia, Ill.
5-30	1,3,& 4	Radial	¼-2¼"	Blizzard Mfg. Co., West Canton, Ohio
				J.I.Case Co., Racine, Wis.
5-30	2-6	Radial	5	Dellinger Mfg. Co., Lancaster, Pa.
3-25	4	Radial	4	Gehl Bros. Mfg. Co., West Bend, Wis.
4-12	1,2,& 4	Radial	¼-3"	Hocking Valley Mfg. Co., Lancaster, Ohio
4-30	2,3,& 4	Radial	3/8-1"	International Harvester Co., Chicago, Ill.
5-10		Cylinder	2	Letz Mfg. Co., Crown Point, Ind.
3-20	2 & 3	Radial	¼-½"	Papec Machine Co., Shortsville, N. Y.
5 up	4		1/8-3/4	Smalley Corp., Manitowoc, Wis.
CUTTERS, ROOT				
Drive	Motor Equip.			
Belt	Yes			Hocking Valley Mfg. Co., Lancaster, Ohio
				Superior Churn & Mfg. Co., Northville, Mich.
Belt	No			O. E. Thompson & Sons, Ypsilanti, Mich.
CUTTERS, SMALL FEED				
H. P.	Variation of Cuts	No. of Knives	Type	
1-6	6	1-4	Cylinder	Dellinger Mfg. Co., Lancaster, Pa.
3/4-8	¼-2"	2,3 & 4	Radial & Cyl.	Hocking Valley Mfg. Co., Lancaster, Ohio
3 up		4 & 8	Cylinder	Letz Mfg Co., Crown Point, Ind.
3 up	6	2-4	Cylinder	Smalley Corp., Manitowoc, Wis.
DRILLS, PORTABLE				
Maximum Drill Size - Ins.		Type of Drive		
½ (Hardwood)		Direct gear		Bartlett Mfg. Co., Detroit, Mich.
4 (Hardwood)		Direct gear		Black & Decker Mfg. Co., Towson, Md.
				Boice-Crane Co., Toledo, Ohio
3/16 (Steel)		Gear		Buckeye Portable Tool Co., Dayton, Ohio
2 (Hardwood)				Chicago Pneumatic Tool Co., New York, N. Y.
3/32		Direct		Chicago Wheel & Mfg. Co., Chicago, Ill.
¼-1¼ (Steel)		Direct gear		Cincinnati Elec. Tool Co., Cincinnati, Ohio
¼ (Steel)		Direct gear		Coldwell Lawn Mower Co., Newburgh, N. Y.
Hand grinder, drill, buffer, etc.				Dremel Mfg. Co., Racine, Wis.
3/4 (Steel)		Direct gear		Duro Metal Products, Chicago, Ill.
¼-1 3/4 (Steel)		Direct gear		Hisey-Wolf Machine Co., Cininnati, Ohio
¼-½ (Steel)		Direct gear		Jones Motorola Sales Co., New York, N. Y.
				Louisville Elec. Mfg. Co., Louisville, Ky.
¼-3/4		Direct gear		Mall Tool Co., Chicago, Ill.
¼-1		Direct gear		Millers Falls Co., Greenfield, Mass.
¼-7/8		Direct gear		Milwaukee Elec. Tool Corp., Milwaukee, Wis.

Description		Manufacturer
DRILLS, PORTABLE (Continued)		
Maximum Drill Size - Ins.	Type of Drive	
1/4		Paramount Products Co., New York, N. Y.
1/4-1/2	Direct gear	Signal Elec. Mfg. Co., Menominee, Mich.
3/16-7/8	Direct gear	Skilsaw Inc., Chicago, Ill.
1/4-1 1/4	Direct gear	Speedway Mfg. Co., Cicero, Ill.
1/4-2	Direct gear	The Standard Elec. Tool Co., Cincinnati, Ohio
3/16-7/8	Direct gear	Stanley Elec. Tool Div., New Britain, Conn.
1/4-1 1/4	Direct gear	Syntron Co., Homer City, Pa.
		The U. S. Elec. Tool Co., Cincinnati, Ohio

DRILL PRESSES				
Type of Drive	Maximum Drill Size, Ins.	H. P.	Speed RPM	
Stands for portable drills				Black & Decker Mfg. Co., Towson, Md.
Belt	17/32	1/3-1/2	500-5500	Boice Crane Co., Toledo, Ohio
				Buffalo Forge Co., Buffalo, N. Y.
Stands for portable drills				Chicago Pneumatic Tool Co., New York, N. Y.
Stands for portable drills				Cincinnati Elec. Tool Co., Cincinnati, Ohio
Belt	3/4		385-4750	Delta Mfg. Co., Milwaukee, Wis.
Direct	1/4	1/30	4200	Dumore Co., Racine, Wis.
Belt	5/8	1/3	590-5000	Duro Metal Products Co., Chicago, Ill.
Stands for portable drills				
Belt	1/2	1/4		Heston & Anderson, Fairfield, Iowa
Stands for portable drills				Hisey-Wolf Machine Co., Cincinnati, Ohio
				Louisville Elec. Mfg. Co., Louisville, Ky.
Stands for portable drills				Mall Tool Co., Chicago, Ill.
Stands for portable drills				Millers Falls Co., Greenfield, Mass.
Stands for portable drills				Milwaukee Elec. Tool Corp., Milwaukee, Wis.
Stands for portable drills				Skilsaw, Inc., Chicago, Ill.
Stands for portable drills				Speedway Mfg. Co., Cicero, Ill.
Stands for portable drills				The Standard Elec. Tool Co., Cincinnati, Ohio
Stands for portable drills				Stanley Elec. Tool Div., New Britain, Conn.
Stands for portable drills				Syntron Co., Homer City, Pa.
Stands for portable drills				The United States Elec. Tool Co., Cincinnati, Ohio
V-Belt		1/4-1/2	320-5000	Walker Turner Co., Inc., Plainfield, N. J.
Belt & Direct	1/2	1/3-1/2	800-4000	Yates-American Machine Co., Beloit, Wis.

Description			Manufacturer
DUSTERS			
Type	H.P.	Capacity Bu./hr.	
Chemical seed treaters	½-1		Messigner Mfg. Co., Tatamy, Pa.
Fruit-packing-house duster	¼		
Horizontal cylinder seed treaters	½	30	Standard Fanning Mill Co., Minneapolis, Minn.
EGG CANDLERS AND GRADERS			
Spotlight tester			American Egg Candler Co., St. Louis, Mo.
			American Elec. Incubator Co., New Brunswick, N. J.
Spotlight candler and tester			Brower Mfg. Co., Quincy, Ill.
Combination grader and reflected light candler			Buckeye Incubator Co., Springfield, Ohio
Reflected light			Cyclone Mfg. Co., Urbana, Ind.
			Egg Candling-Cycline Mfg. Co., Urbana, Ind.
			Kraft Egg Machine Co., Chicago, Ill.
Spotlight candler & tester			Lyon Rural Elec. Co., San Diego, Calif.
Combination grader & reflected light candler			National Poultry Equipment Co., Seattle, Wash.
Spotlight			Oakes Mfg. Co., Tipton, Ind.
Spotlight			Perfection Egg Grader Co., Capac, Mich.
Combination grader and reflected light candler, commercial sizes			Philadelphia Metal Works, Inc., Philadelphia, Pa.
Reflected light, spotlight and candler and grader combinations			Reliable Incubator & Brooder Co., Quincy, Ill.
Reflected light, spotlight			Royal Mfg. Co., Bowling Green, Ohio
Reflected light, spotlight, and scale & candler combination.			H. M. Sheer Co., Quincy, Ill.
			Starline, Inc., Harvard, Ill.
ELECTRIC FENCE			
			American Television & Radio Co., St. Paul, Minn.
			Auburn Burner Co., Auburn, Ind.
			Babson Bros., Chicago, Ill.
			Bond Products Co., Detroit, Mich.
Plug in controller			Coburn One-Wire Fence Co., Whitewater, Wis.
Plug in controller			Diller Electric Mfg. Co., Kokomo, Ind.
Plug in controller			Electric Heat Control Co., Cleveland, Ohio
Plug in controller			Electric-Timed Products, Chicago, Ill.
Plug in controller			Electrite Fence Co., Whitewater, Wis.
Plug in controller			Electro-Line Fence Co., Milwaukee, Wis.
Plug in controller			Farm Equipment Co., Kansas City, Mo.
			Fouch Elec. Mfg. Co., Portland, Ore.
			M. J. Fritzgerald Co., Madison, Wis.
Plug in controller			Galloway Co., Inc., Waterloo, Iowa

Description	Manufacturer
ELECTRIC FENCE (Continued)	
Plug in controller	Gardner Mfg. Co., Horicon, Wis.
	Guaranteed Products Corp., Wellington, Ohio
	Heidger Mfg. Co., West Allis, Wis.
	Hot-Wire Co., Milwaukee, Wis.
Plug in controller	Meinan Mfg. Co., Chippewa Falls, Wis.
Plug in controller	One-Wire Fence Co., Whitewater, Wis.
Plug in controller	E. J. Parker Co., Spencerport, N. Y.
	Parker-McCrory Mfg. Co., Kansas City, Mo.
	Perfection Mfg. Corp., Minneapolis, Minn.
Plug in controller	The Prime Mfg. Co., Milwaukee, Wis.
Plug in controller	Richards-Electro Fence Co., Payette, Idaho
	Rutenber Elec. Co., Marion, Ind.
Plug in controller	Sparks-Withington Co., Jackson, Mich.
Plug in controller (electronic type)	Super Fence Corp., Chicago, Ill.
Plug in controller	Wholesale Elec. Fence Co., Hales Corners, Wis.

ELEVATORS

Type	Purpose	Drive	H. P.	
				Beverage Eng. & Equip. Co., Cleveland, Ohio
				Boggs Mfg. Corp., Atlanta, N. Y.
Portable & Stationary	Grain	Belt	1½-3	Deere & Co., Moline, Ill.
				The J. B. Ehrsam & Sons Mfg. Co., Enterprise, Kansas
				A. T. Ferrell & Co., Saginaw, Mich.
Blower	Small grain	Belt		Letz Mfg. Co., Crown Point, Ind.
				Links Mfg. Co., Chicago, Ill.
Portable	Ear corn & grain	Belt		New Idea, Inc., Coldwater, Ohio
				Portable Elevator Mfg. Co., Bloomington, Ill.
				Sprout Waldron & Co., Muncy, Pa.
Portable	Grain	Belt	1½-3	Standard Fanning Mill Co., Minneapolis, Minn.
Stationary	For conveying pulverized or small lump materials			Stephens-Adamson Mfg. Co., Aurora, Ill.
Portable	Grain blower	Belt	6-8	U. S. Wind Engine & Pump Co., Batavia, Ill.

FANS, PORTABLE

Type	Size Ins.	H. P.	
			Air Controls, Inc., Cleveland, Ohio
			Aircraft Mfg. Co., Dayton, Ohio
Floor & table	20-30	1/6-¼	Airmaster Corp., Chicago, Ill.
			Alliance Mfg. Co., Alliance, Ohio
			American Coolair Corp., Jacksonville, Fla.
			American Machine & Metals, Inc., New York, N. Y.
Floor & table	22-28		Autovent Fan & Blower Co., Chicago, Ill.

Description

Manufacturer

FANS, PORTABLE (Continued)

Type	Size Ins.	H. P.	Manufacturer
			Bersted Mfg. Co., Fostoria, Ohio
Floor & table	19,24	1/8-1/6	Chelsea Fan & Blower Co., New York, N. Y.
			Chicago Elec. Mfg. Co., Chicago, Ill.
			Cirklair Div., Folsom Co., Dallas, Tex.
			Delco Appliance Div., General Motors Sales Corp., Rochester, N. Y.
Floor, table & bracket	8-16		Diehl Mfg. Co., Elizabethport, N. J.
			Electric Blower Co., Boston, Mass.
			Electro Mfg. Co. of America, Philadelphia, Pa.
			Electrovent Corp., Detroit, Mich.
Table & floor, oscill. and non-oscillating	8-16		Emerson Elec. Mfg. Co., Inc., St. Louis, Mo.
Table and floor, oscill. and non-oscillating	10-16		Fairbanks-Morse & Co., Chicago, Ill.
Table and floor			Fritzgerald Mfg. Co., Torrington, Conn.
			Forct-Air Co., Rockford, Ill.
			Fresh'nd-Aire Co., Chicago, Ill.
			Garden City Fan Co., Chicago, Ill.
Floor & table 500-1700 CFM		[illegible]	General Elec. Co., Bloomfield, N. J.
			General Refrigeration Corp., Beloit, Wis.
Floor & table 1050-14800 CFM	10-32	1/12-1/6	General Regulator Corp., Chicago, Ill.
			A. C. Gilbert Co., New Haven, Conn.
			Edwin F. Guth Co., St. Louis, Mo.
Floor & table air circulators 1970CFM		1/10	Hartzell Propeller Fan Co., Piqua, Ohio
Table 3600CFM	18	1/40	Holtum Mfg. Co., Freeport, Ill.
Floor & table Osc. & Non-osc	8-12		Hunter Fan & Ventilating Co., Memphis, Tenn.
Air circulator	24		
Floor & ceiling	12-36		Ilg Elec. Ventilating Co., Chicago, Ill.
Air circulator fl.& Tb.	22		International Oil Burner Co., St. Louis, Mo.
Floor air circulator	24-36	3/4-3	Johnson Fan and Blower Corp., Chicago, Ill.
Floor & table 1440-3620 CFM		1/20-1/10	Kisco Co., Inc., St. Louis, Mo.
			Geo. B. Klee Co., Cincinnati, Ohio
			Knapp-Monarch Co., St. Louis, Mo.
			Knight Mfg. & Sales Co., Dallas, Tex.
			Landers, Frary & Clark, New Britain, Conn.
Floor, air circulator	18-30		Marathon Elec. Mfg. Co., Wausau, Wis.
			Master Elec. Co., Dayton, Ohio
			Meier Elec. & Machine Co., Indianapolis, Ind.
			Motor Service & Mfg. Co., Chicago, Ill.
			National Fan & Blower Corp., Chicago, Ill.
			Peerless Elec. Co., Warren, Ohio
			Piqua Elec. Mfg. Co., Piqua, Ohio

Description			Manufacturer
FANS, PORTABLE (Continued)			
Type	**Size Ins.**	**H. P.**	
Floor & table	20-30		Propellair, Inc., Springfield, Ohio
Floor & table	20,24		Reynolds Elec. Co., Chicago, Ill.
			Robbin & Myer, Inc., Springfield, Ohio
			Robeson-Rochester Corp., Rochester, N. Y.
			Robinson Ventilating Co., Zelienople, Pa.
Floor & table	10-36		Roto-Beam Corp. of America, Inc., Chicago, Ill.
			Russell Elec. Co., Chicago, Ill.
			Safety Car Heating & Lighting Co., New York, N. Y.
Rubber blades, Fl.& Tbl.	6-16		Samson United Corp., Rochester, N.Y.
			Savory Appliance, Inc., Newark, N. J.
Floor & table	8-30		Signal Elec. Mfg. Co., Menominee, Mich.
Cabinet, table & floor Also rubber blade fans	8-28		F. A. Smith Mfg. Co., Inc., Rochester, N. Y.
			Standard Transformer Corp., Warren, Ohio
			B. F. Sturtevent Mfg. Co., Boston, Mass.
Table	18-20	1/30-1/6	Super-Fan Mfg. Co., Freeport, Ill.
			United Elec. Mfg. Co., Adrian, Mich.
Floor & table	8-22		Victor Elec. Products, Inc., Cincinnati, Ohio
			Vidrio Products Corp., Chicago, Ill.
Floor & table	8-16		Wagner Elec. Corp., St. Louis, Mo.
Floor & table	22-28		Edgar T. Ward Co., River Forest, Ill.
Floor & table	10-16		Westinghouse Elec. & Mfg. Co., Mansfield, Ohio
			West Wind Corp., Seattle, Wash.
Floor & table	22-28		Wind-Way Fan & Ventilator Co., New Orleans, La.
			L. J. Wing Mfg. Co., New York, N. Y.

FANS, VENTILATING

Type	Capacity C.F.M.	Size Ins.	H. P.	
Note: No. Indicates Type of Fan				
	Furnace--1			
	Attic--2			
	Exhaust--3			
	Window ventilator--4			
	Barn--5			
	Kitchen--6			
	Blower--7			
4	3500-15000	20-50	$\frac{1}{4}$-$\frac{1}{2}$	Air Controls, Inc., Cleveland, Ohio
2	400-15000		$\frac{1}{4}$-$\frac{1}{2}$	
				Aircraft Mfg. Co., Dayton, Ohio
4	250-500		1/20	Airgard Co., Chicago, Ill.
2	5500-11000	24-42	1/6-1/3	Airmaster Corp., Chicago, Ill.

Description				Manufacturer
FANS, VENTILATING (Continued)				
Type	Capacity C.F.M.	Size Ins.	H. P.	
3	1400-17500	12-80	1/10-2	
4,6	500-600	9-10		
				Allied Factories Co., Kansas City, Mo.
1	1200-4800		1/8-½	American Blower Corp., Detroit, Mich.
2	750-21500	36-60	¼-¾	
3	270-45000	17-60	½-144	
6	740-1200	12½	1/20	
				American Coolair Corp., Jacksonville, Fla.
				W. R. Ames Co., San Francisco, Calif.
				American Machine & Metal, Inc., New York, N. Y.
2	4000-21000	24-54	1/6-3/4	Autovent Fan & Blower Co., Chicago, Ill.
3	450-40000	9-22	1/40-3	
6	500-750	12-16		
7	1100-14000	12½-25	¼-5	
				Barrett Engineers, Cleveland Heights, Ohio
3		9-72		Bayley Blower Co., Milwaukee, Wis.
7	90-155000	4-48		
3	400-1000			Bersted Mfg. Co., Fostoria, Ohio
				Binks Mfg. Co., Chicago, Ill.
2	5500-21000		¼-¾	Brookline Elec. Mfg. Co., Inc.
3	5400-6400	22	1/6	Shreveport, La.
Circulators 5000-8800 22-28				
				Brower Mfg. Co., Quincy, Ill.
Ventilating & exhaust, fans & blowers				Buffalo Forge Co., Buffalo, N. Y.
				Burnham Boiler Corp., Irvington, N. Y.
				Burt Mfg. Co., Akron, Ohio
Blowers for furnace & seed corn dryer				Chandler Co., Cedar Rapids, Iowa
2	3700-10500	24-42	1/6-1/3	Chelsea Fan & Blower Co., New York, N. Y.
3	1500-3800	16-24	1/8-¼	
				Clarage Fan Co,, Kalamazoo, Mich.
2	7000-22000	30-60	1/6-¾	Dallas Engineering Co., Dallas, Tex.
3	2500-22000	18-60	170-800 watts	
Circulators 3500-5500 20-22				
				Delco Appliance Div., General Motors Sales Corp., Rochester, N. Y.
3	1100-17000	12-33	To 2	De Vilbiss Co., Toledo, Ohio
3	1900-18000	18-48	1/6-1½	Diehl Mfg. Co., Elizabethport, N. J.
4	500-600	9,10	50-55 watts	
Ventilating 500-1600 9-16				
3	3500-8500	18-24	¼-2	Eclipse Air Brush Co., Newark, N. J.
1	1500-3200	10-16	1/6-⅓	Economy Elec. Mfg. Co., Inc., Chicago, Ill.
2	3350-8500	24-42	1/6-½	
3	4250-40500	24-72	¼-5	
6	550-850	10-12		
3	700-18500	10-48	1/6-3/4	Electric Blower Co., Boston, Mass.
7	40-7500	4½-18	1/30-3	

Description				Manufacturer
FANS, VENTILATING (Continued)				
Type	Capacity C.F.M.	Size Ins.	H. P.	
				Electrovent Corp., Detroit, Mich.
2	9000-16800	36-48	¼-½	Emerson Elec. Mfg. Co., Inc., St. Louis, Mo.
3	850-6700	12-30	1/50-1/3	
4	570-4000	10-18	1/30-1/6	
6	600-1600	9-16	45-72 watts	
				Exhaust Fan & Blower Co., New York, N. Y.
3	1050-1550	12-16		Fairbanks-Morse & Co., Chicago, Ill.
2	7000-15000	36-48	¼-½	The Folsom Co., Dallas, Tex.
				Forct-Air Co., Rockford, Ill.
7	600-19500	10 up	1/6-7½	Furblo Co., Hermansville, Mich.
4				Gale Products, Galesburg, Ill.
2	3500-30000	20-60	¼-1	Gar Wood Industries, Inc., Detroit, Mich.
4,6	350-1000	8-16		General Elec. Co., Bridgeport, Conn.
2	8200-17000	42-48	¼-½	General Regulator Corp., Chicago, Ill.
4		10		
3	250-16400	6-48	1/150-½	
				Genessee Elec. Products Co., Rochester, N. Y.
				A. C. Gilbert & Co., New Haven, Conn.
				Walter B. Gilbert & Co., York, Pa.
7	14700-106500		1½-30	Hartzell Propeller Fan Co., Piqua, Ohio
3,7	1200-53000		1/20-10	
3 blower	635-150000		1/50-30	
3	3600-5600	19-20		Holtum Mfg. Co., Freeport, Ill.
				H. D. Hudson Mfg. Co., Chicago, Ill.
2	10000-18000	36-48	1/3-½	Hunter Fan & Ventilating Co., Memphis, Tenn.
3	850	6700	12-30	1/50-1/3
4	250		40 watts	Ilg Elec. Ventilating Co., Chicago, Ill.
3	450-41500	4½-72	40-2100 watts	
6	450-750		40-70 watts	
7	1250-37000	14-48	To 5	
				International Eng., Inc., Dayton, Ohio
Barn & poultry house exhaust				James Mfg. Co., Ft. Atkinson, Wis.
3	1100-46500	12-72	1/20-3	Johnson Fan & Blower Corp., Chicago, Ill.
2	5000-13000	30-48	1/6-½	
RoofVent.	1100-46500	12-72	1/20-3	
(Also Wide Range of Blowers)				
				Kiserаire Products Sales Co., Chicago, Ill.
				Kennedy-Van Saun Mfg. & Eng. Corp., New York, N. Y.
				Kisco Co., Inc., St. Louis, Mo.
				Geo. B. Klee Co., Cincinnati, Ohio
				Knight Mfg. & Sales Co., Dallas, Tex.
5		10-16	1/6-1/20	Louden Machinery Co., Fairfield, Iowa
3	1000-1160	12-16		Lyon Rural Elec. Co., San Diego, Calif.
(Also incubator circulators)				

Description				Manufacturer
FANS, VENTILATING (Continued)				
Type	Capacity C.F.M.	Size Ins.	H. P.	
1,6	600	10		Majestic Co., Huntington, Ind.
3	2280-5400	16-30	1/8-$\frac{1}{4}$	Marathon Elec. Mfg. Corp., Wausau, Wis.
				Meier Elec. & Mach. Co., Indianapolis, Ind.
3	950-7000	11-24	$\frac{1}{4}$-3/4	National Elec. Tool Co., Chicago, Ill.
				National Fan & Blower Corp., Chicago, Ill.
3	400-11000	10-42	To 1/3	Peerless Elec. Co., Warren, Ohio
2,3	1700-300000	16-108	1/20-130	Propellair, Inc., Springfield, Ohio
1,3		10		Pryne & Co., Los Angeles, Calif.
2,3,6,	5000-9500	26-36	$\frac{1}{4}$	Reed Unit-Fans, Inc., New Orleans, La.
3 & ventilating				Reynolds Elec. Co., Chicago, Ill.
3				Robbins & Meyer, Inc., Springfield, Ohio
Ventilating				Robinson Ventilating Co., Zelienople, Pa.
				Rocklin Mfg. Co., Sioux City, Iowa
				W. S. Rockwell Co., New York, N. Y.
3	800-38000	10-36	To 2$\frac{1}{2}$	Roto-Beam Corp. of America, Chicago, Ill.
1			1/6-2	Round Oak Co., Dowagiac, Mich.
				Russell Elec. Co., Chicago, Ill.
				Schwitzer-Cummings Co., Indianapolis, Ind.
				Scott-Newcomb, Inc., St. Louis, Mo.
1 (For poultry heating plants)				Shenandoah Equip. Corp., Harrisonburg, Va.
6	900	10		Shepler Mfg. Co., Pittsburgh, Pa.
3 & vent.	600-2300	10-18		Signal Elec. Mfg. Co., Menominee, Mich.
6 & vent.	420-2400	8-19		The F.A.Smith Mfg. Co., Inc., Rochester, N. Y.
5				Starline, Inc., Harvard, Ill.
3,4	600-15500	10-45	To 5/8	B. F. Sturtevant Co., Boston, Mass.
3 & vent.	2500-5000	18-20	1/30-1/6	Super Fan Mfg. Co., Freeport, Ill.
1 & vent.	300-151200	6-60	1/20-160	The Trane Co., LaCrosse, Wis.
6	375-700	6-12		Universal Blower Co., Birmingham, Mich.
2,3	375-15000	6-48	1/30-$\frac{1}{2}$	Victor Elec. Products, Inc., Cincinnati, Ohio
1,2,3,4	700-19000		1/6-3/4	Viking Air Conditioning Corp., Cleveland, Ohio
2,3,4	570-20500	10 up		Wagner Elec. Corp., St. Louis, Mo.
2,3	3600-10000	22-28		Edgar T. Ward Co., River Forest, Ill.
3	1000-1750	12-16		Westinghouse Elec. & Mfg. Co., Mansfield, Ohio
3,4		8		West Wind Corp., Seattle, Wash.
2,3,5,6	2575-18000	17-48	1/30-$\frac{1}{2}$	Wind-Way Fan & Ventilator Co., New Orleans, La.
				L. J. Wing Mfg. Co., New York, N. Y.

Description				Manufacturer
FEED GRINDERS, BURR TYPE				
H. P.	**Drive**	**Burr Size Ins.**		
				Appleton Mfg. Co., Batavia, Ill.
1-15	Belt			C. S. Bell Co,, Hillsboro, Ohio
2-20	Belt			The N. P. Browsher Co., South Bend, Ind.
1½-8	Belt			Dempster Mill Mfg. Co., Beatrice, Neb.
				Duplex Mill & Mfg. Co., Springfield, Ohio
Roller type mill				The J. B. Ehrsam & Sons Mfg. Co., Enterprise, Kan.
5-35	Belt	8 & 10		Fairbanks-Morse & Co., Chicago, Ill.
½-up	Belt	8 & 10		Galloway Co., Inc., Waterloo, Iowa
				Hesse-Ersted Iron Works, Portland, Ore.
3-16	Belt	6, 8 and 10		International Harvester Co., Chicago, Ill.
3-20	Belt	6 & 10		Letz Mfg. Co., Crown Point, Ind.
3-15	Belt	12-30 Stone burr grist mills		Meadows Mill Co., North Wilkesboro, N. C.
				Nelson Bros. Co., Saginaw, Mich.
1-30	Belt	6-12		New Holland Machine Co., New Holland, Pa.
				Sprout, Waldron & Co., Muncy, Pa.
½-5	Belt	4½-6½ (for shelled corn and small grain)		Stover Mfg. & Engine Co., Freeport, Ill.
				The Straub Co., Philadelphia, Pa.
				O. B. Wise, Knoxville, Tenn.
FEED GRINDERS, HAMMER TYPE				
H. P.	**Type of Hammer**	**No. of Screens**	**Type of Drive**	
				American Pulverizer & Crusher Co., St. Louis, Mo.
30-75	Swinging		Dir.& V-belt	Anglo American Mill Corp., Owensboro, Ky.
10-30	Swinging		Belt	
1½-5	Swinging		Belt	C. S. Bell Co., Hillsboro, Ohio
				Brower Mfg. Co., Quincy, Ill.
	Swinging	2	Belt	Buller Coupler Co., Hillsboro, Kan.
15-28	Semi-rigid	2	Belt	J. I. Case Co., Racine, Wis.
7½-30	Rigid	2	Belt	Cushman Motor Works, Lincoln, Nebr.
10-30	Semi-rigid	2	Belt	Deere & Co., Moline, Ill.
5-100	Swinging	2	Belt	Dellinger Mfg. Co., Lancaster, Pa.
40-125	Swinging		Dir. & Belt	Dixie Machinery Mfg. Co., St. Louis, Mo.
				Duplex Mill & Mfg. Co., Springfield, Ohio
				The J. B. Ehrsam & Sons Mfg. Co., Enterprise, Kan.
5-40	Swinging	1	Dir. & belt	Fairbanks-Morse & Co., Chicago, Ill.
	Swinging	1	Belt	Galloway Co., Inc., Waterloo, Iowa
5-25	Swinging	2	Belt	Gehl Bros. Mfg. Co., West Bend, Wis.
10-100	Swinging	3	Dir. & belt	Gruendler Crusher & Pulverizer Co., St. Louis, Mo.
				Hesse-Ersted Iron Works, Portland, Ore.

Description				Manufacturer
FEED GRINDERS, HAMMER TYPE (Continued)				
H. P.	Type of Hammer	No. of Screens	Type of Drive	
15-30	Swinging		Belt	Hocking Valley Mfg. Co., Lancaster, Ohio
15-20	Swinging	2	Belt	International Harvester Co., Chicago, Ill.
				Link Mfg. Co., Fargo, N. D.
5-50	Swinging		Belt	Meadows Mill Co., North Wilkesboro, N. C.
10-75	Rigid	2	Belt	Minneapolis-Moline Power Implement Co. Minneapolis, Minn.
5-60	Swinging	2	Belt	The Myers-Sherman Co., Streator, Ill.
5-35	Swinging		Belt	Nelson Bros. Co., Saginaw, Mich.
7½-25	Rigid	2	Belt	Papec Machine Co., Shortsville, N. Y.
3-5	Swinging		Dir. & belt	Prather Pulverizer Co., Chicago, Ill.
3-100	Rigid		Belt	The Reschke Machine Works, Co., Wichita, Kan.
				I. B. Rowell Co., Waukesha, Wis.
				Schutte Pulverizer Co., Buffalo, N. Y.
2-200	Swinging			J. B. Sedberry, Inc., Franklin, Tenn.
5-10		3		Smalley Corp., Manitowac, Wis.
				Sprout, Waldron & Co., Muncy, Pa.
Commercial type grinders				Stedman's Foundry & Machine Works, Aurora, Ind.
5-10	Swinging	2	Belt	Stover Mfg. & Engine Co., Freeport, Ill.
(For shelled corn & small grains)				
12 up	Swinging	2	Belt	
½-1	Swinging	3	Direct	The Straub Co., Philadelphia, Pa.
½-1	Swinging	3	Direct	Viking Mfg. Co., Jackson, Mich.
1½-5	Swinging	3	Belt	
7½-10	Swinging	2	Belt	Western Land Roller Co., Hastings, Neb.
5 up	Heavy duty hay & feed mills			Williams Patent Crusher & Pulverizer Co. St. Louis, Mo.
[illegible]				O. B. Wise Pulverizer Co., Knoxville, Tenn.
7½-150	Swinging (heavy duty commercial)			W-W Grinder Corp., Wichita, Kan.

GLUE POTS				
Capacity Qts.	Material of Pot	Water Jacket	Wattage	
1¼-20	Copper	Yes	75-2500	Acme Elec. Heating Co., Boston, Mass.
1-4	Cast Alum.	No	250-660	American Elec. Heater Co., Detroit, Mich.
1-4	Copper	Yes	440-750	
2	Cast Alum.	Yes		Black & Decker Mfg. Co., Towson, Md.
1-4	Copper	No	70-140	General Elec. Co., Schenectady, N. Y.
1-4	Copper	Yes	75-660	
1-2	Aluminum	Yes	110-660	Landers, Frary and Clark, New Britain, Conn.
½-8	Copper	No	26-968	Liberty Elec. Co., Indianapolis, Ind.
				Harold E. Trent Co., Philadelphia, Pa.
1-2	Copper	No	60-110	Westinghouse Elec. & Mfg. Co., Mansfield, Ohio

Description				Manufacturer
GRADERS, FRUIT				
Capacity Bu/hr.	No. of Grades	Motor H. P.		
50-120	1-4	½		John Bean Mfg. Co., Lansing, Mich.
Cull sizers (Rotary)				Cutler Mfg. Co., Portland, Ore.
Curtain sizers (Rotary bins) 36-90" bins				
Weight principle & eliminators-4-8 grades 1/3-1½ H.P.				
10-120	4	¼		Friend Mfg. Co., Gasport, N. Y.
				Mathews Conveyor Co., Ellwood City, Pa.
				Sprague-Sells Corp., Hoopeston, Ill.
GRADERS, VEGETABLE				
Capacity Bu/hr.	No. of Grades	Motor H. P.		
50-120	1-4	½		John Bean Mfg. Co., Lansing, Mich.
				Boggs Mfg. Corp., Atlanta, N. Y.
Perforated belt, rubber segment eliminator 46-48 inches wide.				Cutler Mfg. Co., Portland, Ore.
				A. T. Ferrell & Co., Saginaw, Mich.
		½		Mathews Conveyor Co., Ellwood City, Pa.
GRINDERS, TOOL				
Type of Drive	Motor Equip.	H. P.	Type	
Direct	Yes	¼-1	Portable, bench & stand	Black & Decker Mfg. Co., Towson, Md.
Belt	No	1/3-½	Bench	Boice Crane Co., Toledo, Ohio
Belt	Yes & No	¼	Bench	Brillion Iron Works, Brillion, Wis.
Direct	Yes	¼-1	Bench	The Brown-Brockmeyer Co., Inc., Dayton, Ohio
Direct	Yes	1/3-15	Bench & Pedestal	Cincinnati Elec. Tool Co., Cincinnati, Ohio
Belt	No		Bench & Pedestal	Clizbe Bros. Mfg. Co., Plymouth, Ind.
Direct	Yes (Mower knife grinder with attachments for hammer mill knives, disc blades, etc.)			Deere & Co., Moline, Ill.
Direct	Yes & No	½	Bench & Pedestal	Delta Mfg. Co., Milwaukee, Wis.
Direct	Yes	¼-½	Bench	Diehl Mfg. Co., Elizabethport, N. J.
Direct	Yes	1/8-1/6	Bench	Dumore Co., Racine, Wis.
Belt	Yes	½	Bench	Duro-Metal Products Co., Chicago, Ill.
Direct	Yes (Knife grinder only)			Duwell Co., Racine, Wis.
Direct	Yes	1/12-1½	Bench	Electric Specialty Co., Stamford, Conn.
				Fritzgerald Mfg. Co., Torrington, Conn.
Direct	Yes	1/20	Bench	Hamilton-Beach Co., Racine, Wis.
Dir.& Belt	Yes	¼-15	Bench & stand	Hisey-Wolf Machine Co., Cincinnati, Ohio
Direct	Yes	½-2	Portable	
				K. D. Lee and Sons Co., Aberdeen, S. D.

GRINDERS, TOOL (Continued)

Description				Manufacturer
Type of Drive	Motor Equip.	H. P.	Type	
Direct & Belt	Yes & No		Bench	Luther Grinder & Tool Co., Fond-Du-Lac, Wis.
Flexible Shaft	Yes	$\frac{3}{4}$-3	Portable	Mall Tool Co., Chicago, Ill.
Direct	Yes	To $\frac{1}{2}$	Bench & Portable	Millers Falls Co., Greenfield, Mass.
Direct	Yes	$\frac{1}{4}$-$\frac{1}{2}$	Bench	Milwaukee Elec. Tool Co., Milwaukee, Wis.
Direct	Yes		Portable combination	Paramount Products Co., New York, N. Y.
Direct	Yes	$\frac{1}{4}$	Bench	Reynolds Elec. Co., Chicago, Ill.
Direct	Yes	$\frac{1}{2}$-1$\frac{1}{2}$	Bench	Skilsaw, Inc., Chicago, Ill.
Direct	Yes	Portable		
Direct	Yes		Bench & Portable	Speedway Mfg. Co., Cicero, Ill.
				Square D Co., Detroit, Mich.
Direct	Yes	$\frac{1}{4}$-10	Bench & Pedestal	The Standard Elec. Tool Co., Cincinnati, Ohio
Direct	Yes	$\frac{1}{4}$-1	Bench & Pedestal	Stanley Elec. Tool Div., New Britain, Conn.
Flexible Shaft	Yes	1/8-10	Suspended & Portable	Stow Mfg. Co., Inc., Binghamton, N.Y.
Direct	Yes		Portable	Syntron Co., Homer City, Pa.
				The United States Elec. Tool Co., Cincinnati, Ohio
Power driven grindstones				U. S. Wind Engine & Pump Co., Batavia, Ill.
Direct	Yes	$\frac{1}{4}$-$\frac{1}{2}$	Bench	Walker Turner Co., Inc., Plainfield, N. J.
Direct & Belt on Direct		1/3	Bench	Yates-American Machine Co., Beloit, Wis.

HEATERS, DAIRY WATER

Type	Type of Element	Temp. Setting Deg. F.	Wattage	
Gravity	9-15 gal. Immersion	1-5 heats	500-1000	Challenge Co., Batavia, Ill.
			750-10000	Cutler-Hammer Inc., Milwaukee, Wis.
Gravity			1250	Esco Cabinet Co., West Chester, Pa.
				General Electric Co., Bridgeport, Conn.
Pressure & gravity	Strap-on	130-185	250-1500	Hynes & Cox Elec. Corp., Albany, N. Y.
				Illinois-Wis. Concrete Pipe & Tile Co., Beloit, Wis.
Gravity	Submerged	135-140	250	Losee Products Co., Hebron, Ill.
				National Steel Construction Co., Seattle, Wash.
Gravity	Immersion	160	250	Perfection Mfg. Corp., Minneapolis, Minn.
				Starline, Inc., Harvard, Ill.
				Strauss Elec. Appliance Co., Waukesha, Wis.
				Victor Products Corp., Hagerstown, Md.
				Wellman Bros., Modesto, Calif.
				Wessix Elec. Heater Co., San Fran., Calif.

Description				Manufacturer
HEATERS, STOCK TANK				
Control	Temperature	Wattage		
Automatic	45-55	750		Farm Equipment Co., Kansas City, Mo.
Automatic	36-50	1000		Warner Brooder & Appliance Corp., North Manchester, Ind.
HOISTS, ELECTRIC				
Capacity Lbs.	Motor H. P.	Speed Ft/min.	St'd Lift Ft.	
250-4000	1/3-1	2¾-44	8	Coffing Hoist Co., Danville, Ill.
250-1000	3/8	11-43	18	Harnischfeger Corp., Milwaukee, Wis.
				Hesse-Ersted Iron Works, Portland, Ore.
				Louden Machinery Co., Fairfield, Iowa
				Robbins & Myer, Inc., Springfield, Ohio
250-2000	¼-½	9-34	10	Shaw-Box Crane & Hoist Div., Muskegon, Mich.
				Universal Hoist & Mfg. Co., Cedar Falls, Iowa
HOISTS, HAY				
No. of Drums	No. of Control Levers	H. P.	Capacity	
1,2,3	2	2-4	1000#@100'/min.	Brown Industries, Inc., Sandusky, Ohio
				John Farrell & Son, Newton, N. J.
				Freeman Mfg. Co., Racine, Wis.
				Hesse-Ersted Iron Works, Portland, Ore.
				Hudson Mfg. Co., Chicago, Ill.
				Ireland Machine & Foundry Co., Norwich, N. Y.
2,3	2	to 10	3000#@66'/min.	Louden Machine Co., Fairfield, Iowa
				N. C. Miller & Son Mfg. Co., Dodgeville, Wis.
1	2	to 8	1800#@130'/min.	Universal Hoist & Mfg. Co., Cedar Falls, Iowa
INCUBATORS				
Type	Capacity Chicks	Wattage	Hatching Unit	
Cabinet	600-3500	250-565	Yes	American Elec. Incubator Co., New
Flat top	50-85	60-180	Yes	Brunswick, N. J.
				Belle City Incubator Co., Racine, Wis.
Cabinet & Flat top	150-3300	150-840	Yes & No	Brower Mfg. Co., Quincy, Ill.
Cabinet Flat top	1350-38080	400-5000	Yes	Buckeye Incubator Co., Springfield, Ohio
Cab.&Fl.top	832-5760		No	Buffalo Incubator Co., Buffalo, N. Y.
Cabinet	4000-57000		No	Cugley Incubator Co., White Pigeon, Mich.
				Globe American Corp., Kokomo, Ind.
Cabinet (individual units of 2940 egg capacity may be combined)				James Mfg. Co., Ft. Atkinson, Wis.

Description				Manufacturer
INCUBATORS (Continued)				
Type	**Capacity Chicks**	**Wattage**	**Hatching Unit**	
Flat top	360-1080		No	
Cabinet	100-3300			Lyon Rural Elec. Co., San Diego, Calif.
Flat top	135			
				Master Incubator Co., Vancouver, Wash.
Cabinet	576,1152	525	Yes	Oakes Mfg. Co., Tipton, Ind.
Table	60, 100			
	500-48000			Petersime Incubator Co., Gettysburg, Ohio
Cabinet	400-2100	150-400	Yes	Reliable Incubator & Brooder Co., Quincy, Ill.
Table	50	60	Yes	
Cabinet & flat top	165-6000	To 1275	Yes	St. Helens Mfg. Co., Centralia, Wash.
Cabinet & flat top	150-2100	To 600	Yes	H. M. Sheer Co., Quincy, Ill.
Cabinet	28080-78620	2000-4000	Yes	The Smith Incubator Corp., Bucyrus, Ohio
Flat top	150-2100		Yes	Wisconsin Ironclad Co., Racine, Wis.
Cabinet	2160		Yes	A. R. Wood Mfg. Co., Santa Cruz, Calif.
IRONS, SOLDERING				
Wattage	**Size Ozs.**			
75-350	16-42			Acme Elec. Heating Co., Boston, Mass.
50-550	6-60			American Elec. Heater Co., Detroit, Mich.
				Dominion Elec. Mfg. Inc., Mansfield, Ohio
	12			Eagle Elec. Mfg. Co., Brooklyn, N. Y.
				Electric Heat Control Co., Cleveland, Ohio
75-850	15-96			General Elec. Co., Schenectady, N. Y.
55-550	13-60			Hexagon Elec. Appliance Corp., Roselle Park, N. J.
60-115				
100-370	10-46			Insuline Corp.,of America, New York, N. Y.
				Landers, Frary and Clark, New Britain, Conn.
40-200				
50-160				Lenk Mfg. Co., Newton Lower Falls, Mass.
				Samson-United Corp., Rochester, N. Y.
				Stanley Elec. Tool Div., New Britain, Conn.
60-550	12-60			Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
Carbon arc heater	10-16 ozs.			Suttle Equipment Co., Lawrenceville, Ill.
75-500	8-60			Vasco Elec. Mfg. Co., Los Angeles, Calif.
				Vulcan Elec. Co., Lynn, Mass.
IRRIGATION EQUIPMENT				
Portable overhead systems, quick couplings, & sprinkler heads				American Rolling Mills Co., Middletown, Ohio
Portable pipe for furrow & sprinkler irrigation				W. R. Ames Co., San Francisco, Calif.
Portable galvanized steel pipe, revolving sprinklers for 50-60' diameter and stationary sprinklers for 40' square coverage				Beall Pipe and Tank Corp., Portland, Ore.

Description	Manufacturer
IRRIGATION EQUIPMENT (Continued)	
Sprinkler heads	Buckner Mfg. Co., Fresno, Calif.
Portable pipe, quick coupling sprinkler heads	California Corrugated Culvert Co., Berkeley, Calif.
	Campbell Irrigation Co., Woodbury, N. J.
Sprinkler Heads	Chicago Flexible Shaft Co., Chicago, Ill.
Well casing, suction & discharge pipe	Dempster Mill Mfg. Co., Beatrice, Nebr.
Sprinkler heads	Farm Line Co., Wilsonville, Ore.
	Goulds Pumps, Inc., Seneca Falls, N. Y.
Any equipment for control or conduction of irrigation water	R. Hardesty Mfg. Co., Denver, Colo.
	Lyne & Bowler Corp., Los Angeles, Calif.
Portable pipe & Sprinkling heads	Modern Irrigation Co., Stillwater, Minn.
Sprinkling heads	L. R. Nelson Mfg. Co., Inc., Peoria, Ill.
Portable pipe	Oregon Culvert & Pipe Co., Portland, Ore.
Sprinkling heads	Pasadena Sprinkler Co., Pasadena, Calif.
Pipe couplings	R. H. Pierce Mfg. Co., Eugene, Ore.
Permanent overhead irrigation systems	Skinner Irrigation Co., Troy, Ohio
Sprinkler heads and control valves for underground systems	Thompson Mfg. Co., Los Angeles, Calif.
Pipe and sprinkler heads for overhead and underground systems	White Showers, Inc., Detroit, Mich.

JOINTERS

Type of Drive	Motor Equip.	Capacity Ins.	H. P.	Type	
Belt	No	6	½	Floor & table	Boice-Crane Co., Toledo, Ohio
Belt	Yes & No	6	½	Fl.&Tbl.	Delta Mfg. Co., Milwaukee, Wis.
Belt	No	6	½	Fl.&Tbl.	Duro Metal Products Co., Chicago, Ill.
Belt	No	6		Table	Heston & Anderson, Fairfield, Iowa
Belt	Yes	6		Saw & lathe combination	Messinger Mfg. Co., Tatamy, Pa.
Belt	No	4 & 6	1/3-½	Bench & Padestal	Walker Turner Co., Inc., Plainfield, N. J.
Belt	No	4		Table	Yates-American Machine Co., Beloit, Wis.

LATHES (WOOD)

Type of Drive	H. P.	Type	Length Ins.	
Belt	1/3-½	Bench & Floor	40-60	Boice-Crane Co., Toledo, Ohio
Equipment for making small lathe with "handed" grinder supplying power				Chicago Wheel & Mfg. Co., Chicago, Ill.
Belt		Bench & Floor	37	Delta Mfg. Co., Milwaukee, Wis.
Belt	½	Bench & Floor	31-36	Duro Metal Products Co., Chicago, Ill.
Belt	1/3	Bench	30-54	Heston & Anderson, Fairfield, Iowa
				Hisey-Wolf Machine Co., Cincinnati, Ohio
Belt	½	Saw & jointer combination	36	Messinger Mfg. Co., Tatamy, Pa.

Description — Manufacturer

LATHES (WOOD) (Continued)

Type of Drive	H. P.	Type	Length Ins.	
Belt	¼-1/3	Bench	30-37	Walker Turner Co., Inc., Plainfield, N. J.
Direct & Belt	1/3-½	Bench & Floor	31-49	Yates American Machine Co., Beloit, Wis.

MACHINES, MILKING

Type	No. of Units	H. P.	Type of Units	
Note: Port indicates portable. Pipe indicates pipeline. Ind indicates independent.			Self indicates self-contained. Sin indicates single Dou indicates double.	
Port	2	¼	Self	Ben H. Anderson Mfg. Co., Madison, Wis.
Port	2-4	¼-1/3	Self	Anderson Milker Co., Inc., Jamestown, N.Y.
Pipe	2-4	1/3-½		
Port			Self	Anker-Holth Mfg. Co., Inc., Port Huron, Mich.
Pipe	1-10	¼-3/4	Ind	Babson Bros., Chicago, Ill.
Port	2-sin		Self	De Laval Separator Co., Chicago, Ill.
Port	1-dou		Self	Dairy Equipment Co., Lansing, Mich.
Pipe	2-5	½-1	Sin & Dou	Empire Milking Maching Co., West Chester, Pa.
Pipline (No pipe & fitting)				Galloway Co., Inc., Waterloo, Iowa
Pipe	2 & 4	¼-1	Sin & dou	Hinman Milking Machine Co., Oneida, N. Y.
Port	2		Self	International Harvester Co., Chicago, Ill.
Port	1 & 2	¼	Self	Michigan Milker Co., Lansing, Mich.
Pipe	2 & 4		Sin & dou	The Myers-Sherman Co., Streator, Ill.
Port	2	¼	Self	Perfection Mfg. Corp., Minneapolis, Minn.
Pipe	2-7	¼-3/4	Ind	
Port	2		Ind	Pioneer Mfg. Co., West Allis, Wis.
Port	1 & 2		Self	Rite-Way Products Co., Chicago, Ill.
Pipe	1 & 2			
Pipe	1 & 2			Uebler Milking Machine Co., Vernon, N. Y.
Port	2	½	Self	United Dairy Equipment Co., West Chester, Pa.
Pipeline (No pipe & fittings)				Universal Milking Machine Co., Waukesha, Wis.
Port			Self	

MACHINES, THRESHING

Size	H. P.	
12-24, 20-30, 20-35, 24-40	3-24	Messinger Mfg. Co., Tatamy, Pa.

Description				Manufacturers
MIXERS, CONCRETE				
Capacity of Barrel		H. P.	Type	
Wheel barrow load per batch		1	Portable, Mounted and unmounted	Dain Mfg. Co., Ottumwa, Iowa
				Dellinger Mfg. Co., Lancaster, Pa.
2½-6 cu. ft.		1-4	Portable, Mounted and unmounted	Nelson Brothers Co., Saginaw, Mich.
2-3			Portable, Mounted and unmounted	
MIXERS, FEED				
Type of Agitator	Capacity Lbs.	H. P.	Type	
Revolving	1000-4000	5-15	Vertical	Anglo-American Mill Corp., Owensboro, Ky.
Revolving	500-2000	3/4-2	Vertical	C. S. Bell Co., Hillsboro, Ohio
Revolving	700-2000	1-3	Vertical	Brower Mfg. Co., Quincy, Ill.
				Burton Feed Mixer Co., Marshalltown, Iowa
Revolving	1000-3000	3-5	Vertical	Challenge Co., Batavia, Ill.
Revolving	500-1000	2-7	Vert. & Horizontal	Dellinger Mfg. Co., Lancaster, Pa.
				The J. B. Ehrsam & Sons Mfg. Co., Enterprise, Kansas
				The Fairfield Engineering Co., Marion, Ohio
				Grain Machinery Co., Marion, Ohio
Double - Spiral	350-4000	3-15	Horizontal	Gruendler Crusher & Pulverizer Co., St. Louis, Mo.
				Hindemann & Shipp, Seattle, Wash.
Revolving	1000-2000	3-5	Vertical	S. Howes Co., Inc., Silver Creek, N. Y.
				Letz Mfg. Co., Crown Point, Ind.
				Papec Machine Co., Shortsville, N. Y.
				Robinson Mfg. Co., Muncy, Pa.
Screw	1000-2000	3 & 7½	Vertical	J. B. Sedberry, Inc., Franklin, Tenn.
Screw	700-2000	3/4-3	Vertical	H. M. Sheer Co., Quincy, Ill.
Screw	20 bu. to 2 tons	2-7½	Vertical	The Sidney Grain Machinery Co., Sidney, Ohio
Revolving	75	No motor Horiz.		Smalley Corp., Manitowoc, Wis.
				Sprout, Waldron & Co., Muncy, Pa.
Revolving	100	½	Horizontal	Viking Mfg. Co., Jackson, Mich.
MIXERS, INSECTICIDE				
				Messinger Mfg. Co., Tatamy, Pa.
				Smalley Corp., Manitowoc, Wis.

Description					Manufacturer
MOTORS, FRACTIONAL HORSEPOWER					
Size H. P.	Start	Run	Speed	Phase	
Note: Cap indicates Capacitor. Var indicates variable. S ph indicates Split phase. Con indicates constant. Ind indicates Induction. Rep indicates Repulsion. Sq c indicates Squirrel cage. Syn indicates Synchronous. Uni indicates Universal.					
					Advance Elec. Co., St. Louis, Mo.
Shaded pole and resistive or cap s ph. Induction motors (non-syn)					Alliance Mfg. Co., Alliance, Ohio
					Louis Allis Co., Milwaukee, Wis.
	Sq c		Var	2 & 3	Armour Elec. Mfg. Co., Erie, Pa.
					Baldor Elec. Co., St. Louis, Mo.
	Cap	Ind	Con	1	Barber-Colman Co., Rockford, Ill.
Cap s ph & uni .					Black & Decker Elec. Co., Kent, Ohio
Cap s ph, syn, & uni					Bodine Elec. Co., Chicago, Ill.
					B & R Mfg. Co., Toledo, Ohio
Cap, rep, ind, s ph, & sq c					Brown-Brockmeyer Co., Dayton, Ohio
1/8-1	rep	ind	con	1	Century Elec. Co., St. Louis, Mo.
1/8-1	cap	ind	con	1	
1/20-1/3		s ph	con	1	
1/6-1	sq c			2 & 3	
					Crocker-Wheeler Elec. Mfg. Co., Ampere Sta., East Orange, N. J.
	sq c		var	1	Continental Elec. Co., Newark, N. J.
					Delco Products Div., General Motors Sales Corp., Dayton, Ohio
Rep ind & s ph					Delta Mfg. Co., Milwaukee, Wis.
Sq c, s ph, rep ind, & cap. Con & var speeds					Diehl Mfg. Co., Elizabethport, N. J.
1/30-1/16	uni	6000-7000 RPM			Dumore Co., Racine, Wis.
					Electric Motor Corp., Racine, Wis.
1/80-1	rep ind, s ph and sq c		con & var	1 2 & 3	Electric Specialty Co., Stamford, Conn.
1/6-3/4	rep	ind	con	1	Emerson Elec. Mfg. Co., Inc., St. Louis,
1/6-3/4	cap	ind	con	1	Mo.
1/30-1/3	s ph		con	1	
1/4-3/4	sq c		con	2 & 3	
1/6-3/4	rep	ind	var	1	Fairbanks-Morse & Co., Chicago, Ill.
1/4	s ph		var	1	
3/4	sq c		con	2 & 3	
					Fidelity Elec. Co., Lancaster, Pa.
					Fritzgerald Mfg. Co., Torrington, Conn.
1/6-1	rep	ind	var	1 2 & 3	Flint & Walling Mfg. Co., Kendallville, Ind.

Description					Manufacturer
MOTORS, FRACTIONAL HORSEPOWER (Continued)					
Size H. P.	Start	Run	Speed	Phase	
1/6-1	sq c		con	2 & 3	General Elec. Co., Schenectady, N. Y.
½-1	Wound rotor	ind	var	2 & 3	
1/20-1/3	s ph		con	1	
½-1	rep	ind	con	1	
1/8-1	cap	ind	con	1	
					General Industries Co., Elyria, Ohio
					Hamilton Beach Co., Racine, Wis.
					Haydon Mfg. Co., Waterbury, Conn.
					Holtzer-Cabot Elec. Co., Boston, Mass.
1/8-1	cap	ind	con	1	Howell Elec. Motors Co., Howell, Mich.
½-1	rep	ind	con	1	
1/8-1/3	s ph		con	1	
1/8-1	sq c		con	2 & 3	
1/50-1/6	s ph		con	1	Janette Mfg. Co., Chicago, Ill.
1/8-½	rep	ind	con	1	
1/30-½	rep	rep	con&var	1	
1/3	cap	ind	con	1	
1/8-1	sq c		con	2 & 3	
1/15-1	Multi-speed sq c			3	
	Slip ring, ind.		con &var	2 & 3	
					Jones Motorola Sales Co., New York, N. Y.
					Kendrick & Davis Co., Lebanon, N. H.
1/6-1	Brush shifting		var	1	Kimble Elec. Co., Chicago, Ill.
½-1			con	1	
3/4-1	sq c		var	2 & 3	
¼-1	slip ring, ind.		var	2 & 3	
Cap, s ph				3	Kingston-Conley Elec. Co., Plainfield, N. J.
					Lee Engineering & Mfg. Co., Milwaukee, Wis.
1/10-3/4	rep	ind	con	1	Leland Elec. Co., Dayton, Ohio
1/8-3/4	sq c		con	2 & 3	
1/8-3/4	cap	ind	con	1	
1/20-¼	s ph		con	1	
					Marble-Card Elec. Co., Gladstone, Mich.
1/12-1/3	s ph		con	1	Marathon Elec. Mfg. Corp., Wausau, Wis.
1/8-1	cap	ind	con	1	
1/8-1	rep	ind	con	1	
1/8-1	polyphase		con	2 & 3	
1/8-1	sq c		con	2 & 3	Master Elec. Co., Dayton, Ohio
1/30-1	rep	ind	con	1	
(Also special motors)					
					Master Appliance Mfg. Co., Racine, Wis.
					Northwestern Elec. Co., Chicago, Ill.
					Ohio Elec. Mfg. Co., Cleveland, Ohio
1/6-1	sq c		con	2 & 3	Peerless Elec. Co., Warren, Ohio
1/6-1	rep	ind	con	1	

Description					Manufacturer
MOTORS, FRACTIONAL HORSEPOWER (Continued)					
Size	Start	Run	Speed	Phase	
1/20-1/3	s ph		var	1	A. F. Redmond Co., Flint, Mich.
¼, 1/3	Polyphase		con	2 & 3	Reynolds Elec. Co., Chicago, Ill.
1/20-1/3	cap	ind	con	1	
					Robbins & Myers, Inc., Springfield, Ohio
					Rotor Corp. of America, Dayton, Ohio
					Russell Elec. Co., Chicago, Ill.
					Signal Elec. Mfg. Co., Menominee, Mich.
Small var speed ind motors 3/4-15 watts					F. A. Smith Mfg. Co., Rochester, N. Y.
					Speedway Mfg. Co., Cicero, Ill.
					B. F. Sturtevant Co., Boston, Mass.
					Sundt Engineering Co., Chicago, Ill.
					Valley Elec. Corp., St. Louis, Mo.
					Victor Elec. Products, Inc., Cincinnati, Ohio
1/8-1	rep	ind	con	1	Wagner Elec. Corp., St. Louis, Mo.
1/20-1/3	s ph		con	1	
1/6-1	sq c		con	3	
1/8-1	cap	ind	con	1	
½-½	s ph		con	1	The Walker-Turner Co., Plainfield, N. J.
½-1	cap	ind	con	1	
1/3-1	rep	ind	con	1	
1/3-1				3	
					Warren Telechron Co., Ashland, Mass.
					B. A. Wesche Elec. Co., Cincinnati, Ohio
¾-1	rep	ind	con	1	Westinghouse Elec. & Mfg. Co., Pittsburgh, Pa.
1/6-3/4	s ph		con	1	
1/6-3/4	cap	ind	con	1	
½-1	sq c		con	2 & 3	
½-1 Slip ring, wound rotor			var&con	2 & 3	
MOTORS, ONE HORSEPOWER AND OVER					
Size H. P.	Start	Run	Speed	Phase	
Note: Cap indicates capacitor					Syn indicates Synchronous
S ph indicates Split phase					Uni indicates Universal
Ind indicates Induction					Var indicates variable
Rep indicates Repulsion					Con indicates constant
sq c indicates Squirrel Cage					
1-200	sq c		var	1 2 & 3	Allis-Chalmers Mfg. Co., Milwaukee, Wis.
					Louis Allis Co., Milwaukee, Wis.
1-150	sq c & slip ring			2 & 3	Armour Elec. Mfg. Co., Erie, Pa.
					Baldor Elec. Co., St. Louis, Mo.
					Barber-Colman Co., Rockford, Ill.

Description					Manufacturer
MOTORS, ONE HORSEPOWER AND OVER (Continued)					
Size H. P.	Start	Run	Speed	Phase	
1-10	sq c & rep	ind	var	1 2 & 3	Brown-Brockmeyer Co., Inc., Dayton, Ohio
1-20	cap	ind		1	Century Elec. Co., St. Louis, Mo.
1-40	rep	ind		1	
1-60	Automatic	ind	var	2 & 3	
1-600	sq c			2 & 3	
1-350	Slip ring	ind		2 & 3	
1-500	sq c		var	1 2 & 3	Continental Elec. Co., Newark, N. J.
25 up		syn	con		Crocker-Wheeler Elec. Mfg. Co.,
1-75	Slip ring		var	1 2 & 3	Ampere Sta., East Orange, N. J.
1-75	sq c			1 2 & 3	
1-7½	Polyspeed, automatic & manual control				
					Delco Products Div., General Motors Sales Corp., Dayton, Ohio
1 Rep ind, cap & 3-phase motors					Delta Mfg. Co., Milwaukee, Wis.
1-200	sq c		var	1 2 & 3	Diehl Mfg. Co., Elizabethport, N. J.
1-10	rep	ind	con	1 2 & 3	
1-5	cap	cap	var	1 2 & 3	
1-5	rep	ind	con	1	Electric Specialty Co., Stamford, Conn.
1-15	sq c		con	2 & 3	
1-5	rep	ind	con	1	Emerson Elec. Mfg. Co., Inc., St. Louis,
1-5	sq c			2 & 3	Mo.
1-50	sq c		con	1 2 & 3	Fairbanks-Morse & Co., Chicago, Ill.
1-5	rep	ind	var	1	
1-10	rep	ind	var	2 & 3	Flint & Walling Mfg. Co., Kendallville, Ind.
1-200	sq c		con	2 & 3	General Elec. Co., Schenectady, N. Y.
1-200	Wound rotor,	ind	var	2 & 3	
20-200		syn	con	2 & 3	
1-10	rep	ind	con	1	
1-10	cap	ind	con	1	
1-75	sq c		con	2 & 3	Howell Elec. Motors Co., Howell, Mich.
1	cap	ind	con	1	
1-5	rep	ind	con	1	
1-10	sq c		con	2 & 3	Janette Mfg. Co., Chicago, Ill.
1-5	Constant torque		var	1	Kimble Elec. Co., Chicago, Ill.
1-3	Brush shifting		var	1	
1-10			con	1	
1-25	sq c		var	2 & 3	
1-25	Slip ring	ind	var	2 & 3	
	Capacitor type			3	Kingston-Conley Elec. Co., Plainfield, N. J.
1-3	rep	ind	con	1	The Leland Elec. Co., Dayton, Ohio
1-5	sq c		con	2 & 3	
1-5	sq c		con	2 & 3	Marathon Elec. Mfg. Corp., Wausau, Wis.
1-5	rep	ind	con	1	
					Marble Card Elec. Co., Gladstone, Mich.
1-125	sq c		con	2 & 3	Master Elec. Co., Dayton, Ohio
1-5	rep	ind	con	1	
1-10	sq c		con	2 & 3	Peerless Elec. Co., Warren, Ohio
1-5	rep	ind	con	1	

Description					Manufacturer
MOTORS, ONE HORSEPOWER AND OVER (Continued)					
Size H. P.		Start	Run	Speed	Phase	
						Robins & Myers, Inc., Springfield, OHIO
						F. A. Smith Mfg. Co., Rochester, N. Y.
1-5		rep	ind	con	1	Wagner Elec. Corp., St. Louis, Mo.
1-400		sq c		con	2 & 3	
1-7½		rep.	ind	con	1	Westinghouse Elec. & Mfg. Co., Mansfield, Ohio
1-50		sq c		con	2 & 3	
1-25	Slip ring, wound			rotor var	2 & 3	
20 up			syn	con	2 & 3	
						Earl E. Wright, Chattanooga, Tenn.

MOWERS, ELECTRIC				
Motor Equip.	H. P.	Width of Cut-Ins.	Type of Cutter	
				H. C. Dodge, Inc., Boston, Mass.
				Lawn Vacum Co., Stockton, Calif.
				Louisville Elec. Mfg. Co., Louisville, Ky.
Yes	¼-½	16-18	Rotating blade	New Holland Machine Co., New Holland, Pa.
Yes		18	Revolving blades	Roberton Mfg. Co., Michigan City, Ind.

OIL BURNERS			
Gal. Oil Per hr.	Sq. ft. Installed Radiation Water Steam	Motor H. P.	
			Airtemp Div. of Chrysler Corp., Dayton, Ohio
1-5.5	S800-1550 W1300-2500	1/8-1/6	American Radiator & Standard Sanitary Corp., New York, N. Y.
1-2	S600 W1000	1/8-1/6	Auburn Burner Co., Auburn, Ind.
			Automatic Burner Corp., Chicago, Ill.
1-3	S600-900 W960-1440	1/8-1/6	W. M. Bennett Corp., Omaha, Neb.
			Chalmers Oil Burner Co., Minneapolis, Minn.
0.75-5	S300-2000 W485-3280		Conco Corp., Mendota, Ill.
	S500-1400 W800-2240		Crane Co., Chicago, Ill.
1-24	S200-10000 W350-16000		Electrol, Inc., Clifton, N. J.
1.1-1.8	S350-540 W550-850		Franklin Oil Heating, Inc., Columbus, Ohio
1.65-10	S412-2500 W660-4000		Gar-Wood Industries, Inc., Detroit, Mich.
		1/6	Holland Furnace Co., Holland, Mich.

Description			Manufacturer
OIL BURNERS (Continued)			
Gal. Oil Per hr.	Sq. ft. Installed Radiation Water Steam	Motor H. P.	
Room oil burner	1200-12000 cu.ft.		International Oil Burner Co., St. Louis, Mo.
½-4	S550-1385 W880-2215		S. T. Johnson Co., Oakland, Calif.
0.6-27	S600-8000 W960-12800	1/6-1/3	Kleen Heet, Inc., Chicago, Ill.
0.75-4.75	S225-1425 W450-2850	1/30-1/20	Landwehr Heating Corp., Philadelphia, Pa.
7/8-9	S625-2250 W1000-3600	1/6	Micro-Westco, Inc., Bettendorf, Iowa
1-6	S600-2000 W960-3200	1/8-1/6	The New-Way Corp., Rock Island, Ill.
1-5	W2500		OIL-ELEC-TRIC Co., Minneapolis, Minn.
Room heaters & burners for misc. purp.			Progressive Machinery Co., Minneapolis, Minn.
1-3			Reif-Rexoil, Inc., Buffalo, N. Y.
1-5	S300-1650 W480-2400	1/6	Round Oak Co., Dowagiac, Mich.
0.075-2.5			Sigwald Engineering Corp., Minneapolis, Minn.
			Silent Sioux Oil Burner Corp., Orange City, Iowa
			Stevens-Root Co., Chicago, Ill.
1-10	S700-4000 W900-6400	1/8-1/6	Sundstrand Engineering Co., Rockford, Ill.
1.35-8	S1200-2400	1/6	Syncro-Flame Burner Corp., Willimantic, Conn.
	S465-970 W725-1550	1/6	Timken Silent Automatic Division, Detroit, Mich.
	S400-1325 W300-2120	1/60-1/20	
½-25	S150-7500	1/10-1	Williams Oil-O-Matic Heating Corp., Bloomington, Ill.
1.2-2	S500-640	1/6-½	York Oil Burner Corp., York, Pa.

POULTRY WATER WARMERS

Type	Wattage	Temperature	
Hotplate & Immersion	150	(Thermostatic control, fountain heaters)	Brower Mfg. Co., Quincy, Ill.
Immersion	750-10000	(Thermostatic control, 5 heats)	Cutler-Hammer, Inc., Milwaukee, Wis.
			Edison General Elec. Appliance Co., Chicago, Ill.

Description			Manufacturer
POULTRY WATER WARMERS (Continued)			
Type	Wattage	Temperature	
Lamp bulb heater for trough			James Mfg. Co., Ft. Atkinson, Wis.
			Louden Machinery Co., Fairfield, Iowa
Immersion	15-700	Thermostatic	Lyon Rural Elec. Co., San Diego, Calif.
Immersion	200	Thermostatic	Makomb Steel Products Co., Macomb, Ill.
Hotplate	.33-100		National Elec. Appliance Co., Cleveland, Ohio
Immersion	25-75	3 heats	
Trough & Fountain	75-100	55-65	Oakes Mfg. Co., Tipton, Ind.
			Proctor Elec. Co., Philadelphia, Pa.
Immersion		50	Reliable Incubator & Brooder Co., Quincy Ill.
			St. Helens Incubator Co., Centralia, Wash.
Immersion	200	50-55	H. M. Sheer Co., Quincy, Ill.
Heated fountains			Shenandoah Equipment Corp., Harrisonburg, Va.
Immersion		50	Trumbull Elec. Mfg. Co., Plainville, Conn.
Tank	150	35-100	Warner Brooder & Appliance Corp., North Manchester, Ind.
			West Bend Aluminum Co., West Bend, Wis.
			Westinghouse Elec. & Mfg. Co., Mansfield, Ohio
POULTRY WAXER			
100-200# size, 1500 & 3000 watts 110 & 220 volts			Apothecaries Hall Co., Waterbury, Conn.
			Electric Farm Equipment Co., Auburndale, Mass.
POULTRY-WAX REMELTER			
Stand, heating element, strainer, and wax tank			Apothecaries Hall Co., Waterbury, Conn.
Stand, heating element, strainer, and wax tank, 1600 watts-115 volts			Electric Farm Equipment Co., Auburndale, Mass.
PUMPS, CIRCULATING			
Type	Capacity Gal/min.	H. P.	Type of Drive
Centri-fugal	10-1600	3/8-75	V-Belt & Direct
Centri.	500	¼-30	Direct
Turbine	4.5-11	0.05-0.15	Belt & Direct
Centri.	39-1250	1-50	Direct
Centri.	32-550	0.43-14.5	Direct

Allis-Chalmers Mfg. Co., Milwaukee, Wis.

American Marsh Pumps, Inc., Battle Creek, Mich.

Aurora Pump Co., Aurora, Ill.

Byron Jackson Co., Los Angeles, Calif.

Cherry-Burrell Corp., Cincinnati, Ohio

The Creamery Package Mfg. Co., Chicago, Ill.

Decatur Pump Co., Decatur, Ill.

Description				Manufacturer
PUMPS, CIRCULATING (Continued)				
Type	**Capacity Gal/min.**	**H. P.**	**Type of Drive**	
Centri.	10-3600	¼-90	Direct	Deming Co., Salem, Ohio
Circulator	5	1/6-¼	Direct	Esco Cabinet Co., West Chester, Pa.
Centri.			Direct	Everite Pump & Mfg. Co., Lancaster, Pa.
Centri.	5-1200	¼-40	Direct	Fairbanks-Morse & Co., Chicago, Ill.
				Frederick Iron & Steel Co., Frederick, Md.
Centri.	10-450	¼-15	Belt & Direct	Gardner-Denver Co., Quincy, Ill.
Centri.	5-1800	0.06-50	Belt & Direct	Goulds Pumps, Inc., Seneca Falls, N. Y.
Centri.	10		Direct	E. A. Kaestner Co., Baltimore, Md.
Centri.	120	1/6-1/3	Direct	The Kehm Corp., Chicago, Ill.
				Luitwieler Corp., Rochester, N. Y.
				Manning Mfg. Co., Rutland, Vt.
				Micro-Westco, Inc., Bettendorf, Iowa
Gear	0.3-27.6	1/6-3½	Direct	M. L. Oberdorfer Brass Co., Syracuse,
Centri.	4-15	¼	Direct	N. Y.
Rotary-vane	10-400	1/3-20	Belt	Pine-Ihrig Machine Co., Oshkosh, Wis.
				Stevens-Root Co., Chicago, Ill.
Centri.	25-550	3-40	Direct	The Trane Co., LaCrosse, Wis.
Centri.	9	¼	Direct	Victor Products Corp., Hagerstown, Md.
				Williams Oil-O-Matic Heating Corp., Bloomington, Ill.

PUMPS, DEEP WELL					
Type	**Capacity Gal/hr.**	**H. P.**	**Head ft.**	**Type of Drive**	
Note: Cen indicates centrifugal Cyl indicates cylinder Tur indicates turbine					
Cyl	170-4950	¼-2		Belt	Aermotor Co., Chicago, Ill.
Cen	10-1600	3/4-75	10-300	V-Belt Direct	Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Submer-sible	5-950			Direct	American-Marsh Pumps, Inc., Battle Creek, Mich.
Cen	300-55000	1-29	40-700	Direct	
Tur	25-65 GPM			Direct	Aurora Pump Co., Aurora, Ill.
					M. L. Bayard & Co., Inc., Philadelphia, Pa.
					Baker Mfg. Co., Evansville, Wis.
					B & B Tool Corp., Calumet City, Ill.
					Berkeley Pump Corp., Berkeley, Calif.
					Byron Jackson Co., Los Angeles, Calif.
Cyl	200-550	1/3-1	125-425	Belt	Challenge Co., Batavia, Ill.
					Chandler Co., Cedar Rapids, Iowa

Description					Manufacturer
PUMPS, DEEP WELL (Continued)					
Type	**Capacity gal/hr.**	**H. P.**	**Head ft.**	**Type of Drive**	
					Chicago Pump Co., Chicago, Ill.
					Columbiana Pump Co., Columbiana, Ohio
Cyl	100-2700	1/3-5	200-640	Belt	A. D. Cook, Inc., Lawrenceburg, Ind.
Tur				Direct	
Cyl	170-980	1/3-3	146-450	Belt	Crane Co., Chicago, Ill.
Cyl	115-1147	1/3-2	75-200	V-Belt	Dayton Pump & Mfg. Co., Dayton, Ohio
Cyl	200-975	1/3-1½	40-200	Belt	Decatur Pump Co., Decatur, Ill.
Cyl	100-410	1/3-1	20-290	V-Belt	Delco Appliance Div., General Motors Sales Corp., Rochester, N. Y.
Cyl	190-3635	1/3-10	25-300	Dir&Blt.	Deming Co., Salem, Ohio
Tur	15-2500			Dir&Blt.	
Cyl	200-1875	1/3-3	30-500	Belt	Dempster Mill Co., Beatrice, Neb.
Plunger					Dorward Pump Co., San Francisco, Calif.
					Duro Co., Dayton, Ohio
Cyl	180-1000	½-3	25-700	Belt	Everite Pump & Mfg. Co., Inc., Lancaster, Pa.
Tur	35-2150GPM		450	Dir&Blt.	Fairbanks-Morse & Co., Chicago, Ill.
Cyl	160-3010	1/3-5	130	Belt	
Cyl	To 4636	1/3-10		Belt	Flint & Walling Mfg. Co., Kendallville, Ind.
Cyl	120-1950	¼-3	200	Belt	Ft. Wayne Eng. & Mfg. Co., Ft. Wayne, Ind.
					Galloway Co., Inc., Waterloo, Iowa
Cyl	115-5490	1/3-5	290	Belt	Goulds Pumps, Inc., Seneca Falls, N. Y.
Cyl	190-1175	1/3-1½	375	Belt	Heil Co., Milwaukee, Wis.
Cyl	155-880	¼-1	375	Belt	Heller-Aller Co., Napoleon, Ohio
Tur	200-6500	10-200		Dir & Blt.	Byron Jackson Co., Los Angeles, Calif.
Cyl	80-1325	¼-3	250	Belt	Kewanee Private Utilities Co., Kewanee, Ill.
Tur	300-6000GPM	5-500H.P.		Dir&Blt.	Layne & Bowler Corp., Los Angeles, Calif.
					Luitwieler Corp., Rochester, N. Y.
Cyl	190-1350	1/3-3	445	Belt	Mast, Foos & Co., Springfield, Ohio
					A. Y. McDonald Mfg. Co., Dubuque, Iowa
Cyl	160-1875	1/3-3	550	Belt	McKays Co., St. Paul, Minn.
					Monarch Eng. Co., Dayton, Ohio
Cyl	300-1000			Jack	The F. E. Myers & Bro. Co., Ashland, Ohio
Cyl	180-550	1/3-5		Belt	
Cyl	190-430	1/3-3/4		Belt	Nelson Bros. Co., Saginaw, Mich.
					M. L. Oberdorfer Brass Co., Syracuse, N.Y.
Tur	3600	1-5	600		Peerless Pump Div., Los Angeles, Calif.
Tur		5-750			
Propeller		2-200			
Tur	600-3600	3/4-3		Direct	Pomona Pump Co., Pomona, Calif.
Tur					Red Jacket Mfg. Co., Davenport, Iowa
Cyl	200-1400	½-1½	350	V-Belt	
Pump heads, 1/3-1 H.P.motor included					The George J. Roberts Co., Dayton, Ohio
					Rocklin Mfg. Co., Sioux City, Iowa
Cyl		½-1		Belt	Geo. D. Roper Corp., Rockford, Ill.
Cyl		½-5		Belt	Rumsey Pump Co., Seneca Falls, N. Y.
Cyl				V-Belt	Shetler-Calkins Co., Clio, Mich.
Cyl	550-1840	¼-1/3	300	V-Belt	Sta-Rite Products, Inc., Delavan, Wis.
Cyl	620-5000	1½-10		Chain	Uniflow Mfg. Co., Erie, Pa.
Tur	50-2000GPM	½-80		Direct	Western Land Roller Co., Hastings, Neb.

Description				Manufacturer
PUMPS, EJECTOR				
Capacity Gal/hr.	H. P.	Head Ft.	Type of Drive	
200-5300	½-5	20-120	Direct	American-Marsh Pumps, Inc., Battle Creek, Michigan
200-6000	¼-5	Shallow well	Direct	Berkeley Pump Corp., Berkeley, Calif.
180-2400GPM	1-5	200	Direct	A. D. Cook, Inc., Lawrenceburg, Ind.
175-1335	¼-2	30-90	Direct	Decatur Pump Co., Decatur, Ill.
200-1250	½-1	20-100	Direct	Deming Co., Salem, Ohio
700-3000GPM	1/3-1½	Shallow well	Direct	Dorward Pump Co., San Francisco, Calif.
175-1500GPM	1/3-1½	Deep well	Direct	
20-5500	¼-5	20-150	Direct	Fairbanks-Morse & Co., Chicago, Ill.
100-1600	1/3-1	70	Direct	Gould Pumps, Inc., Seneca Falls, N. Y.
170-1200	1/3-1	100	Direct	Micro-Westco, Inc., Bettendorf, Iowa
350-10000	¼-10	120	Direct	The F. E. Myers & Bro. Co., Ashland, Ohio
230-7800	½-10	20-120	Direct	Red Jacket Mfg. Co., Davenport, Iowa
170-1500	1/3-1	20-100	Direct	Sta-Rite Products, Inc., Delavan, Wis.
180-7200	¼-10	20-190	Direct	Sterling Pump Co., Hamilton, Ohio
PUMPS, IRRIGATION				
Type	Capacity Gal/min.	H. P.	Head Ft.	Type of Drive
Note: Cen indicates centrifugal Cyl indicates cylinder Tur indicates turbine Pro indicates propeller				
Cen	1600	¾-75	10-300	Direct & V-Belt — Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Tur	50-950	1-29	40-700	Direct — American-Marsh Pumps, Inc., Battle Creek, Mich.
Tur	6500			Dir&Blt. — Aurora Pump Co., Aurora, Ill. Buffalo Pumps, Inc., Buffalo, N. Y.
Cen	43-1250	1-30	30-300	Dir&Blt. — Byron Jackson Co., Los Angeles, Calif. Chicago Pump Co., Chicago, Ill.
Tur				Dir&Blt. — A. B. Cook, Inc., Lawrenceburg, Ind.
Tur	15-2500			Dir&Blt. — Deming Co., Salem, Ohio
Cen	10-2000	1-20	10-100	Dir&Blt. — Dempster Mill Co., Beatrice, Nebr.
Tur	35-2150		130	Dir&Blt. — Fairbanks-Morse & Co., Chicago, Ill.
Cen	5-1200	¼-40	20-260	Direct — Frederick Iron & Steel Co., Frederick, Md.
Cen	10-450	¼-15	10-100	Dir&Blt. — Gardner-Denver Co., Quincy, Ill.
Cen	5-1800	0.06-50	110	Belt — Gould Pumps, Inc., Seneca Falls, N. Y.
Cen	10-1500		130	Direct — LaBour Co., Inc., Elkhart, Ind.

PUMPS, IRRIGATION (Continued)

Type	Capacity Gal/min.	H. P.	Head Ft.	Type of Drive	Description / Manufacturer
Tur	300-6000	5-500		Dir & Belt	Layne & Bowler Corp., Rochester, N. Y.
					Luitwieler Corp., Rochester, N. Y.
Cen	25-860	¼-30	1-130	Direct	The F. E. Myers & Bro. Co., Ashland, Ohio
Tur	5-420	¼-35	10-350	Direct	Micro-Westco, Inc., Bettendorf, Iowa
Cen	30GPM up to 60 in. discharge				Morris Machine Works, Baldwinsville, N. Y.
Tur & Pro	1-750			Dir & Belt	Peerless Pump Div., Los Angeles, Calif.
Rotary-Vane	5 up			V-Belt	Pine-Ihrig Machine Co., Oshkosh, Wis.
Pro	1000-100000		1-100	Direct	Pomona Pump Co., Pomona, Calif.
Tur	600-15000		10-1000	Direct	
Tur	15-50	¾-10	10-480	V-Belt	Red Jacket Mfg. Co., Davenport, Iowa
Cen	10-300	¼-25	10-300	Direct	
Cyl	20-145	Shallow well		Chain	The Geo. J. Roberts Co., Dayton, Ohio
					Rocklin Mfg. Co., Sioux City, Iowa
Cen	75-450		220	Direct	Rumsey Pump Corp., Seneca Falls, N.Y.
Tur	50-2000	½-100		Dir & Blt.	Western Land Roller Co., Hastings, Neb.
					Worthington Pump & Machinery Corp., Harrison, N. J.

PUMP, JACKS

H. P.	Type of Drive	Max. Lift Ft.	Stroke Ins.	Motor Equip.	Description / Manufacturer
½-1	Belt	400	4-9	Yes-No	Acme Machine Co., Minneapolis, Minn.
					Aermotor Co., Chicago, Ill.
½-3/4	Blt&Gear	400	5-10	Yes-No	Baker Mfg. Co., Evansville, Wis.
½	Belt	250	6	Yes-No	Brillion Iron Works, Brillion, Wis.
¼-1	Belt	200	6-7	Yes-No	Challenge Co., Batavia, Ill.
					A. D. Cook, Inc., Lawrenceburg, Ind.
1	Blt&Dir.		5-10	Yes-No	Cushman Motor Works, Lincoln, Nebr.
¼-½	Belt	187			Dain Mfg. Co., Ottumwa, Iowa
					Deere & Co., Moline, Ill.
3/4	Belt	150	5-10	No	Deming Co., Salem, Ohio
1/3-½	Belt	165	5-9	Yes-No	Dempster Mill Co., Beatrice, Nebr.
3/4-1½	Belt	300	5-10	No	Fairbanks-Morse & Co., Chicago, Ill.
	Belt	150	6-12	No	Flint & Walling Mfg. Co., Kendallville, Ind.
	Belt	250		No	Galloway Co., Inc., Waterloo, Iowa
	Belt		4-10	No	Gould Pumps, Inc., Seneca Falls, N. Y.
¼-½	Belt	190	5-6	Yes	Heller-Aller Co., Napoleon, Ohio
	Gear		5-10	No	International Harvester Co., Chicago, Ill.
¼-1	Belt	250	6-10	Yes	The Lauson Co., New Holstein, Wis.
	Belt		4½-12	No	Mast, Foos, & Co., Springfield, Ohio
¼-5	Belt		6-14	No	The F. E. Myers & Bro. Co., Ashland, Ohio

Description					Manufacturer
PUMP, JACKS (Continued)					
H. P.	Type of Drive	Max. Lift Ft.	Stroke Ins.	Motor Equip.	
½-3/4	Belt	200	5-10	No	Nelson Bros. Co., Saginaw, Mich.
1/3	Belt		4-6	Yes	Oakwood Mfg. Co., Grover Hill, Ohio
					Rocklin Mfg. Co., Sioux City, Iowa
					Rumsey Pump Corp., Seneca Falls, N. Y.
½-3/4	Belt	300	4-7½	No	Sta-Rite Products, Inc., Delavan, Wis.
1/3-½	Belt	300	6-10	Yes	Stover Mfg. & Engine Co., Freeport, Ill.
1/3-¾	V-Belt	235	4-9	Yes-No	U. S. Wind Engine & Pump Co., Batavia, Ill.
¼-½	V-Belt	50-200	4-7½	Yes	Woodmanse Mfg. Co., Freeport, Ill.
PUMPS, MILK					
Type	Capacity Gal/min.	H. P.	Motor Equip.	Type of Drive	
Centri-fugal	500	¼-30	Yes	Direct	American-Marsh Pumps, Inc., Battle Creek, Mich.
					Cherry-Burrell Corp., Cincinnati, Ohio
Centri.	10-135	¼-1½	Yes	Direct	The Creamery Package Mfg. Co., Chicago, Ill.
					Byron Jackson Co., Los Angeles, Calif.
					Manning Mfg. Co., Rutland, Vt.
					Micro-Westco, Inc., Bettendorf, Iowa.
Rotary-vane	5 up		Yes	V-Belt	Pine-Ihrig Machine Co., Oshkosh, Wis.
					Victor Products Corp., Hagerstown, Md.
PUMPS, SHALLOW WELL					
Type	Capacity Gal/hr.	H. P.	Head Ft.	Type of Drive	
Note: Cen indicates centrifugal Cyl indicates cylinder Tur indicates turbine					
Cyl	250-500	¼-2		Belt	Aermotor Co., Chicago, Ill.
Cen	10-1500GPM	¾-75	300	V-Belt&Dir.	Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Tur	300-3000	½-5	250	Belt & Dir.	American-Marsh Pumps, Inc., Battle Creek, Mich.
Tur	To 9000			Belt & Dir.	Aurora Pump Co., Aurora, Ill.
Tur	325-1200	¼-1	200	Direct	Challenge Co., Batavia, Ill.
					Chandler Co., Cedar Rapids, Iowa
					Chicago Pump Co., Chicago, Ill.
					Columbiana Pump Co., Columbiana, Ohio
Tur				Direct	A. D. Cook, Inc., Lawrenceburg, Ind.
Cyl	265-600	1/6-½		V-Belt	
Cyl	275-1100	¼-1	22' lift	Belt	Crane Co., Chicago, Ill.
Cyl	350-1200	¼-1½	22' lift	Belt	Dayton Pump & Mfg. Co., Dayton, Ohio

Description					Manufacturer
PUMPS, SHALLOW WELL (Continued)					
Type	Capacity Gal/hr.	H. P.	Head Ft.	Type of Drive	
Tur	200-450	1/6-1/3	28'lift	Direct	Decatur Pump & Mfg. Co., Decatur, Ill.
Cyl	225-500	1/6-½	22'lift	Belt	Delco Appliance Div., General Motors Sales Corp., Rochester, N. Y.
Cen	12-3600GPM		15'lift	Direct	Deming Co., Salem, Ohio
Cyl	250-4800	1/6-10	25'lift	Belt	
Cyl	250-750	1/6-½		Belt	Dempster Mill Co., Beatrice, Nebr.
Cen	110-2000GPM	1-20	10-100	Blt&Dir.	
Cyl					Dorward Pump Co., San Francisco, Calif.
					Duro Co., Dayton, Ohio
Cyl	250-450	1/6-3/4	28'lift	Belt	Everite Pump & Mfg. Co., Inc., Lancaster, Pa.
Cyl	225-1000	1/6-1	22'lift	Belt	Fairbanks-Morse & Co., Chicago, Ill.
Cen	15-1200GPM	5-40	260	Direct	
Cyl	225-600	1/6-2	22'lift	Belt	Flint & Walling Mfg. Co., Kendallville, Ind.
Cyl	150-1500	1/6-2	22'lift	Belt	Fort Wayne Eng. & Mfg. Co., Ft. Wayne, Ind.
					Frederick Iron & Steel Co., Frederick, Md.
					Galloway Co., Inc., Waterloo, Iowa
Cyl	250-4000	1/6-5	22'lift	Belt	Gould Pumps, Inc., Seneca Falls, N. Y.
Cyl	250-1000	1/6-1	22'lift	Belt	Heil Co., Milwaukee, Wis.
Cen	43-1250GPM	1-30	15'lift	Dir&Blt.	Byron Jackson Co., Los Angeles, Calif.
Cyl	225-2000	¼-2	22'lift	Belt	Kewanee Private Utilities Co., Kewanee, Ill.
Cyl	350	¼	22'lift	Belt	Lerio Patent Cup Co., Mobile, Ala.
					Luitweiler Corp., Rochester, N. Y.
					A. Y. McDonald Mfg. Co., Dubuque, Iowa
Cyl	265-1000	1/6-1	22'lift	Belt	McKays Co., St. Paul, Minn.
Cyl	500-3000	½-2	25'lift	Belt	Mast, Foos, & Co., Springfield, Ohio
Tur	5-420GPM	¼-35	28'lift	Direct	Micro-Westco, Inc., Bettendorf, Iowa
Cyl	4-76GPM	½-7	25'lift	Belt	The F. E. Myers & Bro. Co., Ashland, Ohio
Cen	25-860	¼-30	25'lift	Direct	
Cyl	222-443	1/6-1/3	22'lift	Belt	National Water Lift Co., Kalamazoo, Mich.
Cyl	250-400	1/6,¼		Belt	Nelson Bros. Co., Saginaw, Mich.
					M. L. Oberdorfer Brass Co., Syracuse, N. Y.
Tur & propeller		1-750		Belt & Dir.	Peerless Pump Div., Los Angeles, Calif.
Cyl	250-300	1/6-¼	22'lift	Belt	Peters Pump Co., Kewanee, Ill.
Rotary	300 up			V-Belt	Pine-Ihrig Machine Co., Oshkosh, Wis.
Tur	600-1500GPM			Direct	Pomona Pump Co., Pomona, Calif.
Propeller	1000-100000 GPM			Direct	
Cen	10-300GPM	¼-25	300	Direct	Red Jacket Mfg. Co., Davenport, Iowa
Cyl	125-500	¼-½	22'lift	Belt	

Description

Manufacturer

PUMPS, SHALLOW WELL (Continued)

Type	Capacity Gal/hr.	H. P.	Head Ft.	Type of Drive	Manufacturer
Cyl	250-450	1/6-1/3		Belt	The Geo. J. Roberts Co., Dayton, Ohio Rocklin Mfg. Co., Sioux City, Iowa
Cyl	250	$\frac{1}{2}$		Direct	Geo.D. Roper Corp., Rockford, Ill.
Gear	250, 500	$\frac{1}{4}$, $\frac{1}{2}$		Direct	
Cyl	250-4800	$\frac{1}{2}$-7$\frac{1}{2}$	230-635	Belt	Rumsey Pump Corp., Seneca Falls, N. Y.
Cen	10-1000GPM	$\frac{3}{4}$-50	200	Dir.& Blt.	
Cyl				V-Belt	Shetler-Calkins Co., Clio, Mich.
Cyl	200		152	Belt	Spence Eng. Co., Inc., Walden, N. Y.
Cyl	250-600	1/6-$\frac{1}{2}$		V-Belt	Sta-Rite Products, Inc., Delavan, Wis.
Cen	3-250GPM		255	Direct	Sterling Pump Co., Hamilton, Ohio
Cyl	720-3600	$\frac{1}{2}$-7$\frac{1}{2}$		Chain	Uniflow Mfg. Co., Erie, Pa.

REFRIGERATORS, COMMERCIAL

Type or Purpose	Compressor Equipped	Manufacturer
		Baker Ice Machine Co., Inc., Omaha, Nebr.
		Borg-Warner Corp., Norge Div., Detroit, Mich.
		Brunner Mfg. Co., Utica, N. Y.
		Carrier Corp., Syracuse, N. Y.
		Copeland Refrigeration Corp., Sidney, Ohio
		Corozone Air Conditioning Corp., Cleveland, Ohio
		The Creamery Package Mfg. Co., Chicago, Ill.
		Edison General Elec. Appliance Co., Chicago, Ill.
Reach-in & walk-in coolers	No	Esco Cabinet Co., West Chester, Pa.
		Frick Co., Waynesboro, Pa.
		Frigidaire Div., General Motors Sales Corp., Dayton, Ohio
Ice cream cabinets		Gale Products Div. of Outboard Marine & Mfg. Co., Galesburg, Ill.
Reach-in & walk-in coolers		General Elec. Co., Bloomfield, N. J.
		General Refrigeration Corp., Beloit, Wis.
Refrigerated display cases		Gennett & Sons, Richmond, Ind.
		Herrick Refrigerator Co., Waterloo, Iowa
Reach-in coolers & Meat display cases	No	Holcomb & Hoke Mfg. Co., Indianapolis, Ind.
		Icemaster Co., Haverhill, Mass.
		Jewett Refrigerator Co., Buffalo, N. Y.
Reach-in coolers	Yes	Kelvinator Div., Nash-Kelvinator Corp., Detroit, Mich.
Reach-in & walk-in coolers	Yes	Koch Refrigerator Co., North Kansas City, Mo.
Dry beverage coolers	Yes	

Description					Manufacturer
REFRIGERATORS, COMMERCIAL (Continued)					
Type or Purpose				Compressor Equipped	
Ice cream & cold storage cabinets				No	Kold-Hold Mfg. Co., Lansing, Mich.
Farm walk-in cooler (Cold storage & sharp freeze unit)					Low Temperature Equipment Co., Kansas City, Mo. Marinette Showcase Co., Marinette, Wis. E. S. Matthews Inc., Spokane, Wash.
Meat display cases				No	McCray Refrigerator Sales Corp., Kendallville, Ind. Merchant & Evans Co., Philadelphia, Pa.
				Yes	Mills Novelty Co., Chicago, Ill.
Complete line of reach-in and walk-in coolers, with or without compressors					International Harvester Co., Chicago, Ill. O'Keefe & Merritt Co., Los Angeles, Calif. Quillen Bros. Refrigerator Co., Indianapolis, Ind. S. & S. Products Co., Lima, Ohio
Beverage cooler					Uniflow Mfg. Co., Erie, Pa.
Wet & dry beverage coolers					Victor Products Corp., Hagerstown, Md.
Complete line of reach-in refrigerators, display cases and beverage coolers					Westinghouse Elec. & Mfg. Co., Mansfield, Ohio
Reach-in coolers				Yes	Williams Oil-O-Matic Heating Corp., Bloomington, Ill. The X. L. Refrigerating Co., Inc., Chicago, Ill.
Reach-in coolers				Yes	York Ice Machinery Corp., York, Pa.
REFRIGERATORS, WET AND DRY					
167-247 bottles plus dry food storage					The Brunswick-Balke-Collender Co., Chicago, Ill. Icemaster Co., Haverhill, Mass.
166-270 bottles plus dry food storage					Portable Elevator Mfg. Co., Bloomington, Ill. S. & S. Products Co., Lima, Ohio
SANDERS, BELT AND DISK					
Width Ins.	Diameter of Disc Ins.	H. P.	Type of Drive	Motor Equip.	
					American Floor Surfacing Machine Co., Toledo, Ohio American Power Tool Corp., New York, N. Y.
6	2-10	1/3-½	Belt	No	Boice Crane Co., Toledo, Ohio
	7-9		Direct	Yes	Black & Decker Mfg. Co., Towson, Md. Buckeye Portable Tool Co., Dayton, Ohio

Description					Manufacturer
SANDERS, BELT AND DISK (Continued)					
Width Ins.	Diameter of Disc Ins.	H. P.	Type of Drive	Motor Equip.	
	7-9		Direct	Yes	Chicago Pneumatic Tool Co., New York, N. Y.
	7-9		Direct	Yes	Cincinnati Elec. Tool Co., Cincinnati, Ohio
4	7	1-1¼	Direct	Yes	Clarke Sanding Machine Co., Muskegon, Michigan
6	12	½	Dir&Blt.	Yes & No	Delta Mfg. Co., Milwaukee, Wis.
					Double A Products Co., Inc., Ann Arbor, Mich.
6	10	1/3	Dir&Blt	Yes&No	Duro Metal Products Co., Chicago, Ill.
					General Elec. Co., Bridgeport, Conn.
	10	1/3	Dir&Blt	No	Heston & Anderson, Fairfield, Iowa
					Lincoln-Schlueter Flour-Machinery Co., Inc., Chicago, Ill.
	7-9	½-1	Flexible shaft	Yes	Mall Tool Co., Chicago, Ill.
	7		Direct	Yes	
	7-9		Direct	Yes	Millers Falls Co., Greenfield, Mass.
	7-9		Direct	Yes	Milwaukee Elec. Tool Co., Milwaukee, Wis.
	7 (Reciprocating type, also portable types)				The Nedco Co., Waltham, Mass.
	7/8		Direct(Portable)		Paramount Products Co., New York, N. Y.
Not given		½-1½	Direct	Yes	Porter-Cable Machine Co., Syracuse, N. Y.
Portable drum type 3/4 H.P.				Yes	Reid-Way Corp., Cedar Rapids, Iowa
3 & 4½	7 (Portable)			Yes	Skilsaw, Inc., Chicago, Ill.
					Standard Elec. Tool Co., Cincinnati, Ohio
					Stanley Elec. Tool Div., New Britain, Conn.
	7,9	1/8-10	Flexible Shaft	Yes	Stow Mfg. Co., Inc., Binghamton, N. Y.
					Swartz & White Mfg. Co., Binghamton, N. Y.
					Syntron Co., Homer City, Pa.
	Disc type				The U. S. Elec. Tool Co., Cincinnati, Ohio
4	10	1/3-½	Belt	Yes	Walker Turner Co., Plainfield, N. J.
4½ Portable & bench	10	1/3	Dir&Blt.	Yes&No	Yates-American Machine Co., Beloit, Wis.

Description					Manufacturer
SAWS, BAND					
Type of Drive	H. P.	Motor Equip.	Maximum Capacity Ins.	Material	
Belt	½	Yes	7¼	Wood	Boice-Crane Co., Toledo, Ohio
Belt	½-¾	No	6-12¼	Wood&Metal	Delta Mfg. Co., Milwaukee, Wis.
Belt	1½	No	9¼-16	Wood&Metal	Duro-Metal Products Co., Chicago, Ill.
Belt	¼	No	6	Wood	Heston & Anderson, Fairfield, Iowa
Belt	½	Yes	14	Wood	Messinger Mfg. Co., Tatamy, Pa.
Belt	¼-½	No	10-16	Wood&Metal	Walker-Turner Co., Inc., Plainfield, N. J.
Dir&Blt.	1/3-½	On Direct	8-12	Wood	Yates-American Machine Co., Beloit, Wis.
SAWS, BENCH					
Type of Drive	H. P.	Motor Equip.	Maximum Capacity Ins.		
Belt	½	Yes	10		Boice Crane Co., Toledo, Ohio
Belt	½-1½	Yes-No	3 1/8		Delta Mfg. Co., Milwaukee, Wis.
Belt	1/3-½	No	2 3/8		Duro-Metal Products Co., Chicago, Ill.
					General Elec. Co., Cleveland, Ohio
Belt	½	No	2 3/8		Heston Anderson, Fairfield, Iowa
Belt	½	Yes			Messinger Mfg. Co., Tatamy, Pa.
					S & B Mfg. Co., Chicago, Ill.
Belt	1/3-1	No	2 1/8-3		Walker-Turner, Inc., Plainfield, N. J.
Belt	¼-½	No	2½		Yates-American Machine Co., Beloit, Wis.
SAWS, JIG					
Type of Drive	H. P.	Motor Equip.	Capacity Ins.	Material	
Belt	1/3	Yes-No	24	Wood & Metal	Boice-Crane Co., Toledo, Ohio
Belt	½	Yes-No	24	Wood & Metal	Delta Mfg. Co., Milwaukee, Wis.
Belt	1/3-½	No	30	Wood & Metal	Duro-Metal Products Co., Chicago, Ill.
Belt	¼	No	28	Wood	Heston & Anderson, Fairfield, Iowa
Belt & Direct	¼-1/3	On direct	24	Wood & Metal	Walker-Turner Co., Inc., Plainfield, N. J.
Belt	1/3	No	12	Wood	Yates-American Machine Co., Beloit, Wis.
SAWS, WOOD					
Saw frames to take up to 36" saws					Buller Coupler Co., Hillsboro, Kan.
Circular saws					Curtis Mfg. Co., St. Louis, Mo.
Saw frames, tilting tables, balance wheels to take up to 30" saws					Dellinger Mfg. Co., Lancaster, Pa.
Saw frames, tilting tables, balance wheels to take up to 32" saws					Fairbanks-Morse & Co., Chicago, Ill.
Saw mills-log type					Frick Co., Waynesboro, Pa.

Description	Manufacturer
SAWS, WOOD (Continued)	
Saw frames, tilting tables, balance wheels to take up to 32" saws	Galloway Co., Inc., Waterloo, Iowa
Saw frames, tilting tables, balance wheels to take up to 30" saws. Also saw mills.	Meadow Mills Corp., North Wilkesboro, N. C.
	Messinger Mfg. Co., Tatamy, Pa.
	Yates-American Machine Co., Beloit, Wis.

SAWS, PORTABLE HAND

Type of Drive	Maximum Capacity Ins.	
Direct gear	1 3/8-3 1/8	Black & Decker Mfg. Co., Towson, Md.
Direct gear	1 1/8-4 5/8	Mall Tool Co., Chicago, Ill.
Direct gear	2-4 3/4	Millers Falls Co., Greenfield, Mass.
Direct gear	1 7/8-4 3/8	Porter-Cable Machine Co., Syracuse, N.Y.
Direct gear	1 7/8-4 5/8	Skilsaw, Inc., Chicago, Ill.
Direct gear	1 3/4-3 5/8	Speedway Mfg. Co., Cicero, Ill.
Direct gear	1 7/8-6	Stanley Elec. Tool Div., New Britain, Conn.
Direct gear	2½-4 3/4	Syntron Co., Homer City, Pa.
		The U. S. Elec. Tool Co., Cincinnati, Ohio
Direct gear	1 7/8-4 5/8	Yates-American Machine Co., Beloit, Wis.

SEMI-SCALDERS, POULTRY

Capacity Gal.	Wattage	Voltage	
24 & 50	1500-3000	110-220	Apothecaries Hall Co., Waterbury, Conn.
20-60		110-220	Electric Farm Equipment Co., Auburndale, Mass.

SHAPERS

Type of Drive	H. P.	Motor Equip.	Type	
Belt	½-1	Yes & No	Floor	Boice Crane Co., Toledo, Ohio
Belt	½-1	Yes & No	Bench & Floor	Delta Mfg. Co., Milwaukee, Wis.
Direct	3/4	Yes	Floor	Duro-Metal Products Co., Chicago, Ill.
Belt	1/3	No	Bench & Floor	Heston & Anderson, Fairfield, Iowa
Belt	½	Yes	Combination machine	Messinger Mfg. Co., Tatamy, Pa.
Direct	3/8	Yes	Portable	Stanley Elec. Tool Div., New Britain, Conn.
Direct & Belt	1/3-3/4	On direct	Bench & Floor	Walker-Turner Co., Inc., Plainfield, N. J.
Belt	1/3-½	Yes	Bench & Floor	Yates-American Machine Co., Beloit, Wis.

Description	Manufacturer
SIRENS	
Sirens & horns for alarms and signals	Auth Elec. Specialty Co., New York, N. Y. Autocall Co., Shelby, Ohio Benjamin Elec. Mfg. Co., Des Plains, Ill. E. D. Bullard Co., San Francisco, Calif. Edwards & Co., Inc., Norwalk, Conn. Federal Elec. Co., Chicago, Ill. J. N. Hedberg, San Jose, Calif. Holtzer-Cabot Elec. Co., Boston, Mass. Partrick & Wilkins Co., Philadelphia, Pa. Safety First Supply Co., Pittsburgh, Pa. Schwarze Elec. Co., Adrian, Mich.
Sirens, bells, etc., for alarms	Signal Eng. & Mfg. Co., New York, N. Y. Sireno Co., Staten Island, N. Y. Stanley & Patterson, New York, N. Y. Sterling Siren Fire Alarm Co., Rochester, N. Y.

SOIL HEATING CABLE

External Cover	Wattage	Length Ft.	Transformer Assembly	Manufacturer
				American Steel & Wire Co., Worchester, Mass.
				Collyer Insulated Wire Co., Pawtucket, R.I.
				General Cable Corp., New York, N. Y.
Lead	400	60	Yes	General Elec. Co., Schenectady, N. Y.
Lead	400	60	No	Hewitt Elec. & Mfg. Co., Sommersville, Mass.
Non-metallic	200	60	No	L. N. Roberson Co., Seattle, Wash.
Lead	400	60	No	Rockbestos Products Co., New Haven, Conn.
Lead	800	120 (230 volt)		

SPRAYERS

Capacity Gals.	H. P.	Capacity Gal/min.	Type of Agitator	
30-200	$\frac{3}{4}$-1	$3\frac{1}{2}$-$5\frac{1}{2}$	Propeller	John Bean Mfg. Co., Lansing, Ohio
Paint sprayers				Binks Mfg. Co., Chicago, Ill.
Paint sprayers				W. R. Brown Corp., Chicago, Ill.
20	$\frac{1}{2}$-3/4	$1\frac{3}{4}$-3	Propeller	Deming Co., Salem, Ohio
				The De Vilbiss Co., Toledo, Ohio
Small portable insecticide sprayers				Electric Sprayit Co., Sheboygan, Wis.
				Field Force Pump Co., Elmira, N. Y.
Small insect exterminator				Kaz Mfg. Co., Inc., New York, N. Y.
	1-10	5-25 (Stationary)		The F. E. Myers & Bro., Co., Ashland, Ohio
12-25	$\frac{1}{4}$-$\frac{3}{4}$			National Elec. Tool Co., Chicago, Ill.
Paint sprayers				O. K. Machine Co., Inc., Fort Wayne, Ind.
Paint sprayers				Rocklin Mfg. Co., Sioux City, Iowa

Description			Manufacturer
STERILIZERS, DAIRY			
Type	**Capacity**	**Wattage**	
Combination Washer & Sterilizer			Beverage Eng. & Equipment Corp., Cleveland, Ohio
Boiler separate, 150-600 bottles/hr.			Cherry-Burrell Corp., Chicago, Ill.
Washers & sterilizer for cans and bottles, boiler separate.			The Creamery Package Mfg. Co., Chicago, Ill.
			Electric Farm Equipment Co., Auburndale, Mass.
Cabinet	2-36 cases	1000-4500	Esco Cabinet Co., West Chester, Pa.
			Losee Products Co., Hebron, Ill.
Washer or combination washer & Sterilizer			Strauss Elec. Appliance Co., Waukesha, Wis.
Steam accumulator	34-75 gal.	1000-1500	Thermador Elec. Mfg. Co., Los Angeles Calif.
Cabinet	4-36 cases 2-9 cans	1000-4800	Victor Products Corp., Hagerstown, Md.
Cabinet	2-6 cans		Wellman Bros., Modesto, Calif.
Steam accumulator	30-80 gal.	1500-5000	Wessix Elec. Heater Co., San Francisco, Calif.
INSECT KILLERS			
Electrocuting screens and traps			Brower Mfg. Co., Quincy, Ill.
Electrocuting fly traps			Coburn One-Wire Fence Co., Whitewater, Wis.
Electrocuting panels, screens & traps			Detjen Corp., New York, N. Y.
Electrocuting panels, screens, lights			Folmer Electracide Co., Rochester, N. Y.
Electrocuting panels, screens, lights			Frost Elec. Screen Co., Spokane, Wash.
Electrocuting light, fits any socket			Jackman & Co., Inc., Mt. Vernon, N. Y.
			Jiffy Elec. Co., Hazel Park, Mich.
Electrocuting light, traps, boxes			Lyon Rural Elec. Co., San Diego, Calif.
Fly and insect electrocutors			Makomb Steel Products Co., Macomb, Ill.
Fly and insect electrocutors			Middlebury Elec. Clock Co., Macomb, Ill.
Light trap			The Miller Co., Meriden, Conn.
Electrocuting panels, traps, lanterns			National Elec. Screen Corp., Chicago, Ill
			Reynolds Elec. Co., Chicago, Ill.
Light traps			Sauer Bros., San Leandro, Calif.
			Tower Mfg. Corp., Boston, Mass.

STOKERS, COAL

Type	Lb./hr. Capacity	Boiler H.P.	Motor H.P.	Sq.ft. Installed Radiation Steam Water	
Note: Dom indicates domestic Com indicates commercial Ind indicates industrial S-I indicates small industrial					
Dom	10-160	5-27	1/6-½	S700-3850 W1120-6200	Anchor Stove & Range Co., New Albany, Ind.
Com	51-1000	38-240	1-10	S5280-35000 W8400-56300	

Description

STOKERS, COAL (Continued)

Type	Lb./hr. Capacity	Boiler H. P.	Motor H. P.	Sq. ft. Installed Radiation Steam	Sq. ft. Installed Radiation Water	Manufacturer
Dom						Auburn Foundry, Inc., Auburn, Ind.
						Bluffton Mfg. Co., Findlay, Ohio
						Borg-Warner Corp., Norge Div., Detroit, Mich.
Dom						Brownell Co., Dayton, Ohio
Dom			¼-1/3			Butler Mfg. Co., Kansas City, Mo.
Dom	8-750	5-150	1/6-5	S500-15000	W750-22500	Conco Corp., Mendota, Ill.
Dom	18-150	7-32	1/6-3/4	S780-3360	W1270-5400	Cotta Transmission Corp., Rockford, Ill.
						Delco-Frigidaire Conditioning Corp., Dayton, Ohio
Dom		6-240	1/6-5	S600	W1000-53000	Eddy Stoker Corp., Chicago, Ill.
						Electric Equipment Co., Chicago, Ill.
						Fairbanks-Morse & Co., Indianapolis, Ind.
						Frederick Iron & Steel Co., Frederick, Md.
						Furnstove, Inc., Indianapolis, Ind.
						General Stokers, Inc., Philadelphia, Pa.
						Hamilton Automatic Stoker Corp., Hamilton, Ohio
						Hershey Machine & Foundry Co., Manheim, Pa.
Dom	7-60		1/5-1/3	S550-1575	W-880-2520	Holcomb & Hoke Mfg. Co., Indianapolis, Ind.
Dom	20-40					Holland Furnace Co., Holland, Mich.
Dom	7-85		1/6-1/3			Illinois Iron & Bolt Co., Chicago, Ill.
						Iron Fireman Mfg. Co., Cleveland, Ohio
Dom & Com	8-1600				S1200-48000	Kirby Mfg. Co., Decatur, Ill.
						Kol-Master Corp., Oregon, Ill.
						Link Belt Co., Chicago, Ill.
						Meier Elec. & Machine Co., Indianapolis, Ind.
						Micro-Westco, Inc., Bettendorf, Iowa
						Muncie Gear Works, Muncie, Ill.
						Nash-Kelvinator Corp., Detroit, Mich.
						National Stoker Co., Inc., St. Louis, Mo.
						B. B. Noyes Co., Greenfield, Mass.
						Peerless Mfg. Co., Louisville, Ky.
Dom	40-120		1/3-1/3	S800-2400	W1100-3200	Plymouth Industries, Inc., Plymouth, Ind.

Description					Manufacturer
STOKERS, COAL (Continued)					
Type	Lb./hr. Capacity	Boiler H. P.	Motor H. P.	Sq. ft. Installed Radiation Steam Water	
Dom & Ind	8-500	4-100	1/6-3	S500-10000 W750-15000	Schwab Safe Co., Lafayette, Ind.
					Schwitzer-Cummins Co., Indianapolis, Ind.
					Shepard Elevator Co., Inc., Cincinnati, Ohio
					Sinker-Davis Co., Indianapolis, Ind.
					Steel Products Eng. Co., Springfield, Ohio
Dom & SI					The Stokermatic Co., Salt Lake City, Utah.
Dom, Com & Ind	25-800	To 230	1/6-3		Whiting Corp., Harvey, Ill.
Dom & S I	15-600	6-120	1/5-3	S800-16800 W1290-25800	Will-Burt Co., Orville, Ohio
THERMOSTATS, BROODER					
Capacity Watts		Voltage			
Wafer type snap action					American Elec. Incubator Co., New Brunswick, N. J.
Wafer type					Anderson Box Co., Indianapolis, Ind.
Wafer type snap action					Brower Mfg. Co., Quincy, Ill.
					Cyclone Mfg. Co., Urbana, Ind.
					Hart Mfg. Co., Hartford, Conn.
					James Mfg. Co., Ft. Atkinson, Wis.
350-1250		110			Lyon Rural Elec. Co., San Diego, Calif.
1500		110 or 220			National Elec. Appliance Co., Cleveland, Ohio
350		110			Oakes Mfg. Co., Tipton, Ind.
1100		110			Reliable Incubator & Brooder Co., Quincy, Ill.
Wafer type					H. M. Sheer Co., Quincy, Ill.
1200 wafer type					St. Helens Mfg. Co., Centralia, Wash.
THERMOSTATS, SOIL					
Immersion bulb, snap action switch					Julien P. Friez & Sons, Inc., Baltimore, Md.
Immersion bulb, snap action switch					General Elec. Co., Schenectady, N. Y.
Immersion bulb, snap action switch					Penn Elec. Switch Co., Goshen, Ind.
					Ranco, Inc., Columbus, Ohio
					L. N. Roberson, Co., Seattle, Wash.

Description			Manufacturer
TIME SWITCHES			
Purpose	No. of Poles	Ampere Range	
Refrigerating defrosting			Albert & J. M. Anderson Mfg. Co., Boston, Mass.
	1 & 2	10-90	Automatic Elec. Mfg. Co., Mankato, Minn.
General		30	Automatic Temperature Control Co., Philadelphia, Pa.
Poultry lighting dimmer & time switch			E. D. Bacon, Cleveland, Ohio
Poultry lighting dimmer and control	1 & 2	12	Brower Mfg. Co., Quincy, Ill.
	1 & 2	4-600	R. W. Cramer & Co., Inc., Centerbrook, Conn.
Stoker time relay	1		Detroit Lubricator Co., Detroit, Mich.
Stokers, etc.	1 & 2	1-15	Fowler Mfg. Co., Portland, Ore.
Combination time switch and watthour meter	1 & 2	20	General Elec. Co., Schenectady, N. Y.
Poultry lighting control and dimmer		10-30	Lyon Rural Elec. Co., San Diego, Calif.
Poultry lighting control and dimmer	1&2	15-31	Makomb Steel Products Co., Macomb, Ill.
General	1 & 2	15-80	Master Elec. Co., Dayton, Ohio
Interval timing devices			Measured Time, LaPorte, Ind.
Temperature Low voltage relays			The Mercoid Corp., Chicago, Ill.
General	1 & 2	20, 35	Northwestern Clock Co., Omaha, Nebr.
General	1 & 2	40	Outdoor Lighting Corp., Jersey City, N. J.
General	1 & 2	10-150	Paragon Elec. Co., Chicago, Ill.
Poultry lighting	1600-3300 watt		
Stoker	1 & 2	8-40	
			Penn Elec. Co., Goshen, Ind.
General	1 & 2	20-50	Reliance Automatic Lighting Co., Racine, Wis.
General		5-20	M. H. Rhodes, Inc., Hartford, Conn.
General	1-4	5-100	Sangamo Elec. Co., Springfield, Ill.
Household		15	The Swartzbaugh Mfg. Co., Toledo, Ohio
General	1-4	15-100	The Tork Clock Co., Inc., Mt. Vernon, N. Y.
General	1 & 2	5-20	Walser Automatic Timer Co., New York, N. Y.
			Ward Leonard Elec. Co., Mt. Vernon, N. Y.
General	1 & 2	30	Wesix Elec. Heater Co., San Francisco, Calif.
			Westinghouse Elec. & Mfg. Co., Mansfield, Ohio
General	1 & 2	15-30	Zenith Elec. Co., Chicago, Ill.
VEGETABLE TYING MACHINES			
1200 bunches per hour capacity			Felins Tying Machine Co., Milwaukee, Wis.

Description				Manufacturer
WASHERS, BOTTLE				
No. of Brushes	Type of Drive	Motor Equip.	H. P.	
				Beverage Engineering & Equipment Co., Cleveland, Ohio
1,2 & 3	Belt	Yes & No	¼-1	Cherry-Burrell Corp., Chicago, Ill.
1,2 & 3		Yes & No		The Creamery Package Mfg. Co., Chicago, Ill.
Also soaker type with motor				
1	Direct	Yes	¼	Esco Cabinet Co., West Chester, Pa.
1	Direct	Yes		Jalco Motor Co., Union City, Ind.
				Manning Mfg. Co., Rutland, Vt.
WASHERS, FRUIT				
Float and underbrush flood type				John Bean Mfg. Co., Lansing, Mich.
Float Type 60-300 bu/hr.				Cutler Mfg. Co., Portland, Ore.
Spray type washer				Mathews Conveyor Co., Ellwood City, Pa.
WASHERS, VEGETABLE				
Capacity		Motor H. P.	Type	
				Boggs Mfg. Corp., Atlanta, N. Y.
100-300 sacks/hr.		5	Brush	Cutler Mfg. Co., Portland, Ore.
5-18GPM		1½-5	Spray	Deming Co., Salem, Ohio
1800 bunches/hr.		¼	Brush	Felins Tying Machine Co., Milwaukee, Wis.
			Spray	Mathews Conveyor Co., Ellwood City, Pa.
7GPM		2	Spray	The F. E. Myers & Bro. Co., Ashland, Ohio
			Brush	Pioneer Mfg. Co., West Allis, Wis.
WATER PRESSURE SYSTEMS				
Type	Lift	H. P.	Type of Drive	Capacity Gal/hr.
Note: Cyl indicates cylinder				Sh indicates shallow
Tur indicates turbine				Dp indicates deep
Cen indicates centrifugal				
R V indicates rotary vane				
Cyl Shallow		1/6-1/3	Belt	250-500 Aermotor Co., Chicago, Ill.
Cyl Deep		¼-3	Belt	170-4950
Tur Shallow		¼-3/4	Direct	300-1000 American-Marsh Pumps, Inc., Battle Creek,
Cyl Deep		¼-½	Belt	110-430 Mich.
Tur Shallow		¼-2	Direct	325-2400 Aurora Pump Co., Aurora, Ill.
Cyl Deep		1/3-3/4	Belt	163-660 Baker Mfg. Co., Evansville, Wis.
Tur Deep		¼-5	Direct	200-6000 Berkeley Pump Corp., Berkeley, Calif.
				Buckeye Pump & Mfg. Co., Columbus, Ohio
				Caldwell Co., Inc., Louisville, Ky.
Tur Shallow		¼-1	Direct	325-1200 Challenge Co., Batavia, Ill.
Cyl Deep		1/3-1	Belt	200-550
				Chicago Pump Co., Chicago, Ill.

Description					Manufacturer
WATER PRESSURE SYSTEMS (Continued)					
Type	Lift	H. P.	Type of Drive	Capacity Gal/hr.	
Cyl	Shallow	1/6-½	V-Belt	265-600	A. D. Cook, Inc., Lawrenceburg, Ind.
Cyl	Deep	1/3-5	V-Belt	100-2700	
Cyl	Sh & Dp	1/6-1	V-Belt	250-1000	
					Crane Co., Chicago, Ill.
Cyl	Shallow	¼-1½	V-Belt	250-1200	Dayton Pump & Mfg. Co., Dayton, Ohio
Cyl	Deep	1/3-2	V-Belt	115-1200	
Cen	Shallow	¼-½	Direct	240-550	Decatur Pump Co., Decatur, Ill.
Tur	Shallow	¼-2	Direct	360-1700	
Tur	Deep	1/3-1½	Belt	200-975	
Cyl	Shallow	¼-½	Belt	225-600	Delco Appliance Div., General Motors Sales Corp., Rochester, N. Y.
Cyl	Shallow	1/6-½	Belt	250-750	Dempster Mill Mfg. Co., Beatrice, Nebr.
Cyl	Deep	1/3-3	Belt	200-1875	
Cyl	Shallow	1/6-10	Belt	250-4800	Deming Co., Salem, Ohio
Cyl	Deep	1/3-10	Belt	190-3635	
					Duro Co., Dayton, Ohio
Cyl	Shallow	1/6-3/4	Belt	250-4500	Everite Pump & Mfg. Co., Lancaster, Pa.
Cyl	Deep	¼-3	Belt	240-1000	
Cyl	Shallow	1/6-1	Belt	225-1000	Fairbanks-Morse & Co., Chicago, Ill.
Cyl	Deep	1/3-5	Belt	160-3010	
Cyl	Shallow	1/6-2	Belt	225-1200	Flint & Walling Mfg. Co., Kendallville, Ind.
Cyl	Deep	1/3-10	Belt	To 4636	
Cyl	Shallow	1/6-2	Belt	150-1500	Fort Wayne Eng. & Mfg. Co., Fort Wayne, Ind.
Cyl	Deep	¼-3	Belt	120-1950	
					Galloway Co., Inc., Waterloo, Iowa
Cyl	Shallow	1/6-5	Belt	250-4000	Gould Pumps, Inc., Seneca Falls, N. Y.
Cyl	Deep	1/3-5	Belt	115-5490	
Cyl	Shallow	1/6-1	Belt	250-1000	Heil Co., Milwaukee, Wis.
Cyl	Deep	1/3-1½	Belt	190-1165	
Cyl	Deep	¼-1	Belt	155-575	Heller-Aller Co., Napoleon, Ohio
					Homelite Corp., Port Chester, N. Y.
Cyl	Shallow	¼-2	Belt	225-2000	Kewanee Private Utilities Co., Kewanee, Ill.
Cyl	Deep	¼-3	Belt	80-1325	
Tur	Deep	5-500	Dir&Blt.	300-6000GPM	Layne & Bowler Corp., Los Angeles, Calif.
Cyl	Shallow	¼	Belt	350	Lerio Patent Cup Co., Mobile, Ala.
					Luitwieler Corp., Rochester, N. Y.
Cyl	Shallow	1/6-1	Belt	250-1000	Mast, Foos & Co., Springfield, Ohio
Cyl	Deep	1/3-3	Belt	190-1350	
Cyl	Shallow		Gear		McCullough Mfg. Co., Minneapolis, Minn.
					A. Y. McDonald Mfg. Co., Dubuque, Iowa
Cyl	Shallow	1/6-1	Belt	265-1000	McKays Co., St. Paul, Minn.
Cyl	Deep	1/3-3	Belt	160-1875	
Tur	Shallow	¼-3	Direct	275-3000	Micro-Westco, Inc., Bettendorf, Iowa
					Monarch Engineering Co., Dayton, Ohio

Description					Manufacturer
WATER PRESSURE SYSTEMS (Continued)					
Type	Lift	H. P.	Type of Drive	Capacity Gal/hr.	
Cyl	Shallow	1/6-3	Belt	250-2650	The F. E. Myers & Bro. Co., Ashland, Ohio
Cyl	Deep	1/3-3	Belt	180-1800	
Cyl	Shallow	1/6-1/3	Belt	222-443	National Water Lift Co., Kalamazoo, Mich.
Cyl	Deep	1/6-$\frac{1}{2}$	Belt	190-430	Nelson Bros. Co., Saginaw, Mich.
Cyl	Shallow	1/6-$\frac{1}{2}$	Belt	250-400	
Cyl	Shallow	1/6-$\frac{1}{4}$	Belt	250-300	Peter's Pump Co., Kewanee, Ill.
R V	Shallow	$\frac{1}{2}$-5	Belt	500-2500	Pine-Ihrig Machine Co., Oshkosh, Wis.
Tur			Direct	220-315	Pomona Pump Co., Pomona, Calif.
Cyl	Shallow	$\frac{1}{4}$-$\frac{1}{2}$	Belt	125-500	Red Jacket Mfg. Co., Davenport, Iowa
Cyl		1/6-1/3	Belt	250-450	The Geo. J. Roberts Co., Dayton, Ohio
Cyl	Shallow	$\frac{1}{4}$	Direct	250	Geo. D. Roper Corp., Rockford, Ill.
Gear	Shallow	$\frac{1}{4}$, $\frac{1}{2}$	Direct	250, 500	
Cyl	Deep	$\frac{1}{2}$-7$\frac{1}{2}$	Belt	120-900	Rumsey Pump Corp., Seneca Falls, N. Y.
Cyl	Shallow	$\frac{1}{2}$-7$\frac{1}{2}$	Belt	60-3800	
Cyl	Deep & Shallow		Belt		Shetler-Calkins Co., Clio, Mich.
Cyl	Deep		Belt	200	Spence Eng. Co., Inc., Walden, N. Y.
Cyl	Deep	1/6-3	Dir&Blt.	250-1500	Sta-Rite Products, Inc., Delavan, Wis.
Cen	Shallow		Direct	3-250GPM	Sterling Pump Co., Hamilton, Ohio
					Trupar Mfg. Co., Dayton, Ohio
Cyl Dp & Sh		1/6-3/4	V-Belt	250-340	Uniflow Mfg. Co., Erie, Pa.
					Westinghouse Elec. & Mfg. Co., Pittsburgh, Pa.
					Worthington Pump & Machinery Corp., Harrison, N. J.
WELDERS					
Amperes					
					Allan Mfg. & Welding Co., Buffalo, N. Y.
					American Coach & Body Co., Cleveland, Ohio
					Burke Elec. Co., Erie, Pa.
					California Corrugated Culvert Co., Berkeley, Calif.
					Eisler Engineering Co., Newark, N. J.
					Electric Arc Cutting & Welding Co., Newark, N. J.
					Electric Heat Control Co., Cleveland, Ohio
Multiple operator type welders					Electric Products Co., Cleveland, Ohio
					Electric Welding Machine Co., St. Louis, Mo.
					Emerson Elec. Mfg. Co., Inc., Detroit, Mich.

Description	Manufacturer
WELDERS (Continued)	
Amperes	
160-250 Portable A.C. type	Ergolyte Mfg. Co., Philadelphia, Pa.
	Franklin Transformer Mfg. Co., Minneapolis, Minn.
	Giant Grip Mfg. Co., Oshkosh, Wis.
	General Elec. Co., Schenectady, N. Y.
40-400 Non-portable, single or multiple operated	Harnischfeger Corp., Milwaukee, Wis.
150-600 Single operated, motor driven	
	Hollup Corp., Chicago, Ill.
	Ideal Elec. & Mfg. Co., Mansfield, Ohio
Spot welder $7\frac{1}{2}$-10 Kw.	Ideal Mfg. Co., Des Moines, Iowa
20-250 A.C. type	K. O. Lee & Sons Co., Aberdeen, S. D.
	Lincoln Elec. Co., Cleveland, Ohio
10-300	Miller Elec. Mfg. Co., Inc., Appleton, Wis.
	Ohio Brass Co., Mansfield, Ohio
	Owen-Dyneto Corp., Syracuse, N. Y.
	Owen Elec. Mfg. Co., Fayetteville, N. C.
Resistance welding machines	Thomson-Gibbs Elec. Welding Co., Lynn, Mass.
	Universal Power Corp., Cleveland, Ohio
200-2000 A.C. & D. C. types	Westinghouse Elec. & Mfg. Co., Mansfield, Ohio
200-400 A.C. & D. C. Portable & stationary	Wilson Welder & Metals Co., New York, N. Y.